

HAZARDOUS MATERIALS INVESTIGATION REPORT

[NSS FELINTO PERRY]



PEACE OF MIND


INCOMAR INSPECTION EXPERTISE SERVICES CO.LTD.

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Project description:	Develop the Inventory of Hazardous Materials in accordance with resolution MEPC 269(68), with two additional Hazardous Materials (PFOS and HBCDD) required in Regulation (EU) No 1257/2013
Client:	ROTA SHIPPING INC.
Report Number	INC 24017 C
Report Version	[1.0]
Date of issue	[14 June, 2024]
Onboard inspection period	Between 04.04.2024- 08.04.2024 and Between 22.05.2024- 24.05.2024
Inspection location	[Rio De Janeiro, Brazil]
Project Team	Lead Inspector:  Nil Gizem Meral (Nil Gizem Meral- HazMat Expert)
	Samples Analyzed by: Yeşil Beyaz Kalite ve Çevre Analiz Laboratuvarı Tic. Ltd. Şti. (refer to Appendix 5):
Number of pages	227

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ABBREVIATIONS

The following abbreviations may be used in the text and the appendixes.

A/C = Air Conditioner

ACCOM=Accommodation

ACM=Asbestos Containing Materials

ECR = Engine Control Room

E/R = Engine Room

EMSA IHM Guidance= EMSA's Best Practice Guidance on the Inventory of Hazardous Materials

F.O. = Fuel Oil

MEPC.269(68) Guideline = 2015 Guidelines for the Development of the Inventory of Hazardous Materials (Resolution MEPC.269(68))

Hong Kong Convention = Hong Kong International Convention for the Safe and Environmentally Sound Recycling of ships, 2009, SR/CONF/45

HBCDD = Hexabromocyclododecane

HM = Hazardous Materials

IHM = Inventory of Hazardous Materials

MD = Material Declaration

M.D.O. =Marine Diesel Oil

ODS = Ozone Depleting Substances

PBBs = Polybrominated biphenyls

PBDEs = Polybrominated dephenyl ethers

PCBs = Polychlorinated biphenyls

PCHM= Potentially Containing Hazardous Materials

PCNs = Polychlorinated naphthalenes

PFOS = Perfluorooctane sulfonic acid

PS= Port Side

PLM = Polarized Light Microscopy

Regulation (EU) No 1257/2013= Regulation (EU) No 1257/2013 of the European Parliament and of the Council of 20 November 2013 on Ship Recycling

SCCPs = Short chain chlorinated paraffins

SDoC = Supplier's Declaration of Conformity

STBD = Starboard Side

VSCP = Visual/Sampling Check Plan

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1 EXECUTIVE SUMMARY

INCOMAR INSPECTION EXPERTISE SERVICES CO. LTD. conducted an investigation into hazardous materials for the subject vessel as requested by the client.

The purpose of the investigation is to identify the condition of Hazardous Materials listed in Table A and Table B of Resolution MEPC.269 (68) adopted during the Hong Kong Convention, with two additional Hazardous Materials (PFOS and HBCDD) required in Regulation (EU) No 1257/2013, and enable the client to develop an Inventory of Hazardous Materials (Part I, Part II & Part III) for the subject ship following the steps below.

- | | |
|--------|--|
| Step 1 | Collection of necessary information |
| Step 2 | Analysis and definition of scope of assessment |
| Step 3 | Preparation of VSCP |
| Step 4 | On board visual/sampling check |
| Step 5 | Laboratory Analysis |
| Step 6 | Preparation of IHM and related document |

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Inventory of Hazardous Material (IHM)

[Asbestos, Lead and Lead Compounds,]were identified as hazardous materials or potentially containing hazardous materials that should be listed in the IHM. An Inventory of Hazardous Materials was developed for client.

RECOMMENDATIONS

- Any equipment, system and/or area classed as “Potentially Containing Hazardous Materials” (PCHM) should undergo checking during the next available opportunity (eg. during repair, refit or conversion).
- Ship owner should maintain and update the IHM as per Clause 4.3 of MEPC.269(68) Guideline and Clause 5.5 of EMSA IHM Guidance. For the materials/equipment that are intended to be employed/installed on board ship during its operation, further actions should be considered. Any MD, SDoC, and/or samples taken by competent organization / personnel may be verified by sending to a competent laboratory for confirmation.

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2 INTRODUCTION TO THE INVESTIGATION

2.1 Normative References

This investigation is carried out according to the provisions of the following requirements:

- Hong Kong International Convention for the Safe and Environmentally Sound Recycling of ships, 2009, SR/CONF/45
- 2015 Guidelines for the Development of the Inventory of Hazardous Materials (Resolution MEPC.269(68))
- Regulation (EU) No 1257/2013 of the European Parliament and of the Council of 20 November 2013 on Ship Recycling
- EMSA's Best Practice Guidance on the Inventory of Hazardous Materials

2.2 Ship Particulars

Vessel Name	NSS FELINTO PERRY
Flag	BRAZIL
Port of registry	RIO DE JANEIRO
Type of vessel	Military Ops
Gross Tonnage	1769
IMO Number	N/A
MMSI Number	710443000
Name of shipbuilder	SMEDVIK MEKANISKE VERKSTED
Name of ship owner	ROTA SHIPPING INC
Date of delivery	1979

2.3 Quality Assurance

Relevant certificates and approval documents are compiled in Qualification and Capability Certification List.

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3 INVESTIGATION METHOD AND PROCESS

The method of investigation is in accordance with MEPC.269 (68) Guideline and EMSA IHM Guidance. Visual/sampling check are employed during the investigation referring to the “Indicative List”. Visual check is to determine the presence of Hazardous Materials by assessment of collected document. Sampling check is to confirm the presence of Hazardous Materials in a representative manner of the same kind of material. Assumptions are made that the same homogeneous material, with the same texture and appearance and having the same function will share consistent hazardous materials properties.

3.1 Collection of Necessary Information

Prior to the investigation, the documents listed in Appendix 4 (Supporting Documentation) were collected from the client and used to develop the VSCP while additional documents were obtained inspection onboard and added to this appendix.

3.2 Document Assessment and VSCP Preparation

The scope of assessment was to cover all the Hazardous Materials of Asbestos, PCBs, ODS, anti-fouling systems containing organotin compounds as biocide and PFOS, and other hazardous materials (Cadmium and cadmium compounds, Hexavalent chromium compounds, Mercury and Mercury compounds, Lead and Lead compounds, PBBs, PBDEs, PCNs, Radioactive substances, SCCP, and HBCDD) as far as practicable.

A VSCP (Visual/Sampling Check Plan) was initially prepared based on “Indicative List” MEPC.269 (68) Guideline and document analysis. Results are listed in the checklist based on the assessment of parts and/or materials. The results of assessment are reflected in the Visual/sampling check plan.

Visual check and sampling check methods are specified in the VSCP, considering accessibility in normal cases, INCOMAR INSPECTION EXPERTISE SERVICE’s considers previous experiences and data analysis from prior projects. Details of VSCP refer to Appendix 1 Visual/Sampling Check Plan.

3.3 Onboard Inspections and Laboratory Analysis

Visual/sampling check onboard was carried out in accordance with the VSCP and subsequently adjusted based on the inspector’s judgment and experience with due diligence to reflect the observations onboard, and finally recorded in the updated VSCP.

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Health and Safety risk analysis and precaution for this project was carried out based on the risk criteria. This assessment determined the existing risks (e.g. chemical hazards, electrical hazards, working in closed spaces (companied space), working at heights or on operable machinery, noise, disturbing sampling, necessary PPE, decontamination and disposal arrangements etc.). The risk assessment identified the necessary precautions and safety procedures to be followed during the inspection.

Visual check was mostly applied in the following situations:

- To confirm the consistency of the products installed onboard with documents collected. At the inspector's discretion, suspicious or high-risk materials found onboard by the attending inspector may be verified by sampling method.
- Depending on the practical accessibility of the checkpoints/items onboard, suspected items that were initially not listed in VSCP may be added into the inspection scope subject to the attending inspector's judgement;

Sampling check was employed at the most accessible point in a minimally intrusive manner. The sample points were clearly photographed in both perspective and close-up shot serving as visual records of the materials sampled and the sampling location spot. Checkpoints were diagrammed in the vessel plan. Samples were collected and double bagged and sending to a qualified laboratory for analysis.

Details of analysis methods and results are stated in Appendix 5 Laboratory Test Reports.

3.4 Preparation of IHM

3.4.1 Findings of the Investigation

All information relating to checkpoints are recorded in the updated VSCP (Appendix 1) and photographs recorded in Appendix 3 (Pictures of Checkpoints), Checkpoint locations were diagrammed in Appendix 2 (Location Diagram of Checkpoints on Ship Drawings).

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▪3.4.2 Quantity Estimation

INCOMAR INSPECTION EXPERTISE SERVICES CO. LTD. does not warrant or assume any kind of liability for the up-to-date nature, accuracy, completeness or quality of the hazardous material quantity estimation provided. Liability claims against any member of the INCOMAR INSPECTION EXPERTISE SERVICES CO. LTD. in relation to any loss or damage arising out of or in connection with the use or non-use of hazardous Material quantity estimation provided, including the use of incorrect or incomplete Hazardous Material quantity data, are excluded to the fully extent permissible by law. All hazardous material quantity data may be subject to alteration and are non-binding.

Each INCOMAR INSPECTION EXPERTISE SERVICES CO. LTD. member reserves the right without notice to change, supplement or delete parts of the HazMats quantity data or to stop the publication and usage temporarily or definitively.

INCOMAR INSPECTION EXPERTISE SERVICES CO. LTD. estimates quantity in weight in units of Kilograms. The calculation methods mainly consist of 4 types of weight calculation employing unit weight information according with materials' morphology. However, forms of quantification other than weight that are more appropriate may be employed, eg. Volume in units of m³ for materials of liquid or gas, Area in the units of m² for materials used for floor and walls will be employed.

- Density × Volume
- Mass of per unit area × Area
- Mass of per unit length × Length
- Mass of per piece × Piece numbers

The quantity of hazardous materials is not limited to subjects in Appendix 1 (Visual /Sampling Check Plan) and Appendix 5 (Laboratory Testing Report). The quantity of Hazardous Materials will include all materials/components that have the same appearance/properties. It also includes systems suspected to contain similar hazardous materials found in Appendix 1 and Appendix 5. By taking reference to ship drawings and the results of INCOMAR INSPECTION EXPERTISE SERVICES CO. LTD. inspection onboard, the quantities of hazardous materials are estimated as below conversion table with summary of Hazmat findings.

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HMs	Location	Name of Equipment	Parts where used	Approx. Quantity (estimated)			Referenced Checkpoint No.	Remark
				Unit mass	Nos	Total (kg)		
[Asbestos	[A Deck, AC room	[Refrigeration pipe	[Packing	[3,00	[2	[6,00	[29	[Contained Hazardous Materials by Sampling Check
[Asbestos	[Engine room	[Compressed air pipe	[Flange gasket	[0,60	[100	[60,00	[99	[Contained Hazardous Materials by Sampling Check
[Lead & Lead compounds	[A Deck	[Life Boats battery	[Battery Internals	[15,00	[4	[60,00	[V-42	[Contained Hazardous Materials by Visual Check
[Lead & Lead compounds	[Shelter Deck, Battery room	[General use battery	[Battery Internals	[40,00	[11	[440,00	[V-79	[Contained Hazardous Materials by Visual Check
[ODS	[A Deck, AC room	[Refrigeration plant	[Refrigerant	[50,00	[1	[50,00	[B.04	[PCHM (Potentially Containing Hazardous Materials)
[ODS	[Main Deck, Engine control room	[ECR air conditioner unit	[Refrigerant	[20,00	[1	[20,00	[B.16	[PCHM (Potentially Containing Hazardous Materials)
[ODS	[Engine room	[Provision compressor	[Refrigerant	[20,00	[1	[20,00	[B.18	[PCHM (Potentially Containing Hazardous Materials)

4 LIMITATIONS

The investigation is considered as a limited Inspection as not all the necessary information can be collected and reviewed on time, and not all locations/installations onboard can be checked.

The visual and sampling inspection was restricted to areas that are reasonably accessible during the Inspection, with respect to the following:

- Not all areas were accessible for the investigation or sampling:
 - Without compromising the safety of the ship and its operational efficiency,
 - Without exposing the inspectors to any undue risk;
 - Without dismantling or damaging installed fixtures and fittings, plant, electrical equipment, machinery;
 - Without dismantling, demolishing or damaging the structure.
 - Such areas were cargo tanks, ballast water tanks, fresh water tanks that were excluded from checking scope;
 - Oils from tanks were excluded from the checking scope;
- More detailed constraints and exclusions are to be described and recorded during the inspection process.

The data, findings, observations, conclusions and recommendations by INCOMAR INSPECTION EXPERTISE SERVICES CO. LTD. are based solely upon the state of the site at the time of the investigation with due diligence efforts by the qualified personnel. The passage of time, manifestation of latent conditions or impacts of future events (e.g. changes in legislation, scientific knowledge, land uses, etc) may render the report inaccurate. In those circumstances, INCOMAR INSPECTION EXPERTISE SERVICES CO. LTD. shall not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance on, the contents of the report.

The level of cooperation with the customer regarding to schedules, budget and provision of information may impose additional constraint to the investigation.

The quality assurance system of INCOMAR INSPECTION EXPERTISE SERVICES CO. LTD. and relevant accreditation scheme ensure the investigation was carried out under the best practices of the industry and due diligence principles.

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Appendix 1



Visual/Sampling Check Plan

NSS FELINTO PERRY

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Visual/Sampling Check Plan	
Ship Name	NSS FELINTO PERRY
IMO Number	N/A
Gross Tonnage	1769
LoaxBxD	[77.80x17.50x4.62m]
Shipowner	ROTA SHIPPING INC
Check Schedule	Visual/sampling Check Date: Between 04.04.2024- 08.04.2024 and Between 22.05.2024- 24.05.2024
Site of Check	Rio De Janeiro, Brazil
In Charge of Check	Nil Gizem Meral- HazMat Expert
Sampling Method, decontamination and anti-scattering measures	Wet the sampling location prior to cutting and allow it to harden after cutting to prevent scatter, each sample tool would be cleaned with individual wipes before sample and each taken sample would be double sealed with sample bags
Laboratory	Yeşil Beyaz Kalite ve Çevre Analiz Laboratuvarı Tic. Ltd. Şti.
Chemical Analysis Method	Refer to Appendix 5

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No.	Checkpoint No.	Table A/B	Hazardous Materials	Location	Name of equipment	Component	Approx. Quantity (estimated kg)	Manufacturer /Brand name	Result of Doc. Ana.	Procedure of check	Result of check	Reference / DWG No.	Remark
1	1	A	Asbestos	Bridge Deck, Wheelhouse	Deck covering	Paint	-	NIL	Unknown	S	N	NIL	
2	2	A	Asbestos, PCB	Bridge Deck, Radio Room	Deck covering	PVC/Rubber	-	NIL	Unknown	S	N	NIL	
3	3	A	Asbestos, PCB	Bridge Deck, Wheelhouse	Deckhead (wall)	Insulation	-	NIL	Unknown	S	N	NIL	
4	4	A	Asbestos	Bridge Deck, Wheelhouse	Deckhead (ceiling)	Insulation	-	NIL	Unknown	S	N	NIL	
5	5	A	Asbestos, PCB	Bridge Deck, Wheelhouse	Electrical equipment	Cable	-	NIL	Unknown	S	N	NIL	
6	6	A	Asbestos, PCB	Bridge Deck, Wheelhouse	Deck covering	PVC/Rubber	-	NIL	Unknown	S	N	NIL	
7	7	B	Radioactive Substance	Bridge Deck, Wheelhouse	Smoke detector	Detector Head	-	NIL	Not Contained	V	N	NIL	PHOTOELECTRIC SMOKE DETECTOR
8	8	A	Asbestos	Bridge Deck, Wheelhouse	Watertight door	Packing	-	NIL	Unknown	S	N	NIL	
9	9	A	Asbestos	B Deck, corridor	Electrical cabinet	Rubber	-	NIL	Unknown	S	N	NIL	

10	10	A	Asbestos	B Deck, corridor	Electrical cable materials	Cable	-	NIL	Unknown	S	N	NIL	
11	11	A	Asbestos	B Deck, corridor	Electrical cabinet	Paint	-	NIL	Unknown	S	N	NIL	
12	14	A	Asbestos	B Deck, Off Cabin	Deck covering	Carpet	-	NIL	Unknown	S	N	NIL	
13	15	B	Lead and Lead compounds, PCN	Top of wheelhouse	Paint and coating	Deck	-	NIL	Unknown	S	N	NIL	
14	16	A/B	Asbestos, PCB, PFOS, HBCDD	B Deck, captain room	Deck covering		-	NIL	Unknown	S	N	NIL	
15	17	A	Asbestos	B Deck, corridor	Electrical cabinet	Paint	-	NIL	Unknown	S	N	NIL	
16	18	A/B	Asbestos, PCB, PFOS, PBB, PBDE, SCCP, HBCCD	B Deck, corridor	Deck covering		-	NIL	Unknown	S	N	NIL	
17	19	A	Asbestos	B Deck, corridor	Deck covering	Cement	-	NIL	Unknown	S	N		
18	20	A	Asbestos, PCB	B Deck, EL Plant Room	Electrical cable materials	Cable	-	NIL	Unknown	S	N	NIL	

19	21	A	Asbestos	B Deck, EL Plant Room	Deck covering	PVC	-	NIL	Unknown	S	N		
20	22	A	Asbestos, PCB	B Deck, EL Plant Room	Electrical cable materials	Sheath	-	NIL	Unknown	S	N	NIL	
21	23	A	Asbestos, PCB	B Deck, EL Plant Room	Electrical cable materials	Sheath	-	NIL	Unknown	S	N	NIL	
22	24	A	Asbestos	B Deck, EL Plant Room	Deckhead (wall)	Insulation	-	NIL	Unknown	S	N	NIL	
23	25	A	Asbestos	B Deck, Carpet	Deck covering	Carpet	-	NIL	Unknown	S	N		
24	26	A	Asbestos	B Deck, Superintendent Cabin WC	Deck covering		-	NIL	Unknown	S	N		
25	27	A	Asbestos	B Deck, Superintendent Cabin WC	Deck covering	Cement	-	NIL	Unknown	S	N		
26	28	A	Asbestos	A Deck, AC room	Refrigeration pipe	Lagging material covering	-	NIL	Unknown	S	N	NIL	
27	29	A	Asbestos	A Deck, AC room	Refrigeration pipe	Packing	6,00	NIL	Unknown	S	Y	NIL	
28	30	A	ODS	A Deck, AC room	Air conditioner unit pipe	Lagging material and insulation	-	NIL	Unknown	S	N	NIL	

29	32	A	Asbestos	A Deck, corridor	Air conditioner unit pipe	Covering	-	NIL	Unknown	S	N	NIL	
30	33	A	Asbestos	A Deck, corridor	Deck covering	Cement	-	NIL	Unknown	S	N	NIL	
31	34	A	Asbestos	A Deck, corridor	Electrical cabinet	Paint	-	NIL	Unknown	S	N	NIL	
32	35	A	Asbestos	A Deck, corridor	Deck covering	PVC	-	NIL	Unknown	S	N	NIL	
33	36	A	Asbestos	A Deck, Owner Cabin	Electrical cabinet	Rubber	-	NIL	Unknown	S	N	NIL	
34	37	A	Asbestos	A Deck, Owner Cabin	Deck covering		-	NIL	Unknown	S	N	NIL	
35	38	A	Asbestos	A Deck, Owner Cabin WC	Deck covering	Tile	-	NIL	Unknown	S	N	NIL	
36	39	A	Asbestos	A Deck, Cabin	Deck covering		-	NIL	Unknown	S	N	NIL	
37	40	A	Asbestos	A Deck, Staircase	Deck covering		-	NIL	Unknown	S	N	NIL	
38	41	A	Asbestos	A Deck, Staircase	Skirting	Skirting line	-	NIL	Unknown	S	N	NIL	

39	43	A/B	Asbestos, PCB, PFOS, Cadmium, Lead and Lead compounds, Mercury, HBCCD	A deck	Paint and coating	Wall	-	NIL	Unknown	S	N	NIL	
40	44	A/B	Asbestos, PCB, PFOS, Cadmium, Lead and Lead compounds, Mercury, HBCCD	A deck	Paint and coating	Deck	-	NIL	Unknown	S	N	NIL	
41	45	A	Asbestos	Forecastle Deck, Day Room	Deck covering		-	NIL	Unknown	S	N	NIL	
42	46	A	Asbestos	Forecastle Deck, Day Room	Wall	Panel insulation	-	NIL	Unknown	S	N	NIL	
43	47	A	Asbestos	Forecastle Deck, Office	Deck covering	Tile	-	NIL	Unknown	S	N	NIL	
44	48	A	Asbestos	Forecastle Deck, Laundry	Deck covering	PVC	-	NIL	Unknown	S	N	NIL	

45	49	A	Asbestos	Forecastle Deck, Corridor	Deck covering		-	NIL	Unknown	S	N	NIL	
46	50	A	Asbestos	Forecastle Deck, Corridor	Deck covering	Tile	-	NIL	Unknown	S	N	NIL	
47	51	A	Asbestos	Forecastle Deck, Hospital WC	Deck covering	Cement	-	NIL	Unknown	S	N	NIL	
48	52	A	Asbestos	B Deck, Superintendent Cabin	Ceiling	Pipe covering	-	NIL	Unknown	S	N	NIL	
49	53	A	Asbestos	B Deck, Superintendent Cabin	Deckhead (ceiling)	Insulation	-	NIL	Unknown	S	N	NIL	
50	54	A	Asbestos	Forecastle Deck, cabin	Deck covering	Carpet	-	NIL	Unknown	S	N	NIL	
51	55	A	Asbestos	Forecastle Deck	Anchor windlass	Brake lining	-	NIL	Unknown	S	N	NIL	
52	56	A	Asbestos	Forecastle Deck	Anchor windlass	Brake lining	-	NIL	Unknown	S	N	NIL	
53	57	A/B	Asbestos, Lead and Lead Compuonds, Cadmium, Chrom-6	Shelter Deck, Store	Deck covering	Deck Paint	-	NIL	Unknown	S	N	NIL	

54	58	A	Asbestos	Shelter Deck, Crew Mess. Room	Deck covering	PVC	-	NIL	Unknown	S	N	NIL	
55	59	A	Asbestos	Shelter Deck, Corridor	Deck covering	PVC	-	NIL	Unknown	S	N	NIL	
56	60	A	Asbestos	Shelter Deck, Corridor	Deck covering	Cement	-	NIL	Unknown	S	N	NIL	
57	61	A	Asbestos	Shelter Deck, Corridor	Ceiling	Insulation	-	NIL	Unknown	S	N	NIL	
58	62	A	Asbestos	Shelter Deck, Corridor	Deckhead (ceiling)	Insulation	-	NIL	Unknown	S	N	NIL	
59	63	A	Asbestos, PCB	Shelter Deck, galley	Electrical cabinet	Packing	-	NIL	Unknown	S	N	NIL	
60	64	A	Asbestos	Shelter Deck, galley	Deck covering	Tile	-	NIL	Unknown	S	N	NIL	
61	65	A	Asbestos	Shelter Deck, galley	Fire door	Insulation	-	NIL	Unknown	S	N	NIL	
62	66	A	Asbestos	Shelter Deck, meat store	Electrical cabinet	Packing	-	NIL	Unknown	S	N	NIL	
63	67	A	Asbestos	Shelter Deck, Dry Prov.	Deck covering	Tile	-	NIL	Unknown	S	N	NIL	

64	68	A	Asbestos	Shelter Deck, Diver Mess. Room	Deck covering	Carpet	-	NIL	Unknown	S	N	NIL	
65	69	A	Asbestos	Shelter Deck, Wash. Room	Deck covering	Tile	-	NIL	Unknown	S	N	NIL	
66	70	A	Asbestos	Engine room	Oil pipe	Flange gasket	-	NIL	Unknown	S	N	NIL	
67	71	A/B	Asbestos, Lead and Lead Compuonds, Cadmium, Chrom-6	Shelter Deck, Eng. Workshop	Paint and coating	Deck	-	NIL	Unknown	S	N	NIL	
68	72	A	Asbestos	Shelter Deck	Deck crane	Paint	-	NIL	Unknown	S	N	NIL	
69	73	A	Asbestos	Shelter Deck	Lifeboat davit	Paint	-	NIL	Unknown	S	N	NIL	
70	74	A	Asbestos	Shelter Deck	Provision crane	Hose Packing	-	NIL	Unknown	S	N	NIL	
71	75	A	Asbestos	Shelter Deck	Fire line	Paint	-	NIL	Unknown	S	N	NIL	
72	76	A	Asbestos	Shelter Deck	Fire line	Flange gasket	-	NIL	Unknown	S	N	NIL	

73	77	A	Asbestos	Shelter/Main Deck	Ventilation manhole	Packing	-	NIL	Unknown	S	N	NIL	
74	78	A/B	Asbestos, Lead and Lead Compuonds, Cadmium, Chrom-6, HBCCD	Shelter/Main Deck	Paint and coating	Deck	-	NIL	Unknown	S	N	NIL	
75	79	A	Asbestos	Engine casing	Exhaust gas economizer	Insulation	-	NIL	Unknown	S	N	NIL	
76	80	B	Lead and Lead compounds, PCN	Fore Bosun store	Paint and coating	Deck	-	NIL	Unknown	S	N	NIL	
77	81	A	Asbestos	Main Deck, Corridor	Deck covering	PVC	-	NIL	Unknown	S	N	NIL	
78	82	A	Asbestos	Main Deck, Corridor	Deck covering	Cement	-	NIL	Unknown	S	N	NIL	
79	83	A	Asbestos	Main Deck, Corridor	Ceiling	Panel insulation	-	NIL	Unknown	S	N	NIL	
80	84	A	Asbestos	Main Deck, Corridor	Ceiling	Panel insulation	-	NIL	Unknown	S	N	NIL	

81	85	A	Asbestos	Main Deck, Cabin	Deck covering	Carpet/PCV	-	NIL	Unknown	S	N	NIL	
82	86	A	Asbestos	Main Deck, Engine control room	Deck covering	PCV	-	NIL	Unknown	S	N	NIL	
83	87	A	Asbestos	Main Deck, EL Workshop	Electrical Cable	Sheath	-	NIL	Unknown	S	N	NIL	
84	88	A	Asbestos	Main Deck, EL Workshop	Wall	Insulation materials	-	NIL	Unknown	S	N	NIL	
85	89	A	Asbestos	Main Deck, Engine room	Main generator engine	Packing	-	NIL	Unknown	S	N	NIL	
86	90	A	Asbestos	Main Deck, Engine room	Electrical cabinet	Packing	-	NIL	Unknown	S	N	NIL	
87	91	A	Asbestos	Engine room	F.O. pipe	Flange gasket	-	NIL	Unknown	S	N	NIL	
88	92	A	Asbestos	Main Deck, Engine room	Gate valve	Flange gasket	-	NIL	Unknown	S	N	NIL	
89	93	A	Asbestos	Main Deck, Engine room	Air compressor	Packing	-	NIL	Unknown	S	N	NIL	
90	94	A	Asbestos	Main Deck, Engine room	Paint and coating	Wall Paint	-	NIL	Unknown	S	N	NIL	

91	95	A	Asbestos	Engine room, steering gear room	Paint and coating	Deck Paint	-	NIL	Unknown	S	N	NIL	
92	96	A	Asbestos	Main Deck, Steering gear room	Steering gear unit	Cable	-	NIL	Unknown	S	N	NIL	
93	97	A	Asbestos	Engine casing	Ceiling	Panel insulation	-	NIL	Unknown	S	N	NIL	
94	98	A	Asbestos	Engine casing	Ceiling	Panel insulation	-	NIL	Unknown	S	N	NIL	
95	99	A	Asbestos	Engine room	Compressed air pipe	Flange gasket	60,00	NIL	Unknown	S	Y	NIL	
96	100	A	Asbestos	Engine room	Hot water pipe	Flange gasket	-	NIL	Unknown	S	N	NIL	
97	101	A	Asbestos	Engine room	Main engine	Cable	-	NIL	Unknown	S	N	NIL	
98	102	A	Asbestos	Engine room	Main engine	Packing	-	NIL	Unknown	S	N	NIL	
99	103	A	Asbestos	Engine room	L.O. pipe	Flange gasket	-	NIL	Unknown	S	N	NIL	
100	104	A	Asbestos	Engine room	L.O. Tank	Packing for menhole	-	NIL	Unknown	S	N	NIL	

101	105	A	Asbestos	Engine room	Sewage Tank	Packing for menhole	-	NIL	Unknown	S	N	NIL	
102	106	A	Asbestos	Engine room	Water pump	Packing	-	NIL	Unknown	S	N	NIL	
103	107	A	Asbestos	Engine room	Fresh water pipe	Flange gasket	-	NIL	Unknown	S	N	NIL	
104	108	A	Asbestos	Engine room	Propeller shafting	Packing with casing	-	NIL	Unknown	S	N	NIL	
105	109	A	Asbestos	Engine room	Ceiling	Panel Insulation	-	NIL	Unknown	S	N	NIL	
106	110	A	Asbestos	Engine room	Ceiling	Panel Insulation	-	NIL	Unknown	S	N	NIL	
107	111	A	Asbestos	Engine room	Door	Packing	-	NIL	Unknown	S	N	NIL	
108	112	A	Asbestos, PCB	Engine room	Electrical cable materials	Sheath	-	NIL	Unknown	S	N	NIL	
109	113	A	Asbestos	Engine room	Deck covering	PVC	-	NIL	Unknown	S	N	NIL	
110	114	A	Asbestos	Top of wheelhouse	Deck	Pipe packing	-	NIL	Unknown	S	N	NIL	
111	115	A	Asbestos, PCB	Bridge Deck, Wheelhouse	Electrical equipment	Cover	-	NIL	Unknown	S	N	NIL	

112	116	A	Asbestos	Main Deck, Engine room	F.O. tank	Packing for menhole	-	NIL	Unknown	S	N	NIL	
113	117	A	Asbestos	Engine room	Electrical equipment		-	NIL	Unknown	S	N	NIL	
114	118	A	Asbestos	Engine room	Electrical equipment		-	NIL	Unknown	S	N	NIL	
115	119	A	Asbestos	Engine room	Electrical equipment		-	NIL	Unknown	S	N	NIL	
116	120	A/B	Asbestos, Lead and Lead compounds, PCN	Main Deck, Engine room	Paint and coating	Deck	-	NIL	Unknown	S	N	NIL	
117	121	A	Asbestos	Engine casing	Boiler	Pipe packing	-	NIL	Unknown	S	N	NIL	
118	122	A	Asbestos	Engine room	Hot water tank	Packing for menhole	-	NIL	Unknown	S	N	NIL	
119	123	A	Asbestos	Engine room	Sea water pipe	Flange gasket	-	NIL	Unknown	S	N	NIL	
120	124	A	Asbestos	Engine room	Condenser	Flange gasket	-	NIL	Unknown	S	N	NIL	
121	125	A	PFOS	SHELTER DECK	POLYURETHANE FOAM	Foam	-	NIL	Unknown	S	N	NIL	

122	126	A	Anti-fouling compounds and system	Under water line	Paint and coating	Anti-fouling paint	-	NIL	Unknown	S	N	Certificate No.	
123	127	A	PFOS	MAIN DECK	FOAM SYSTEM	Foam	-	NIL	Unknown	S	N	NIL	
124	A.01	A	Asbestos	Bridge Deck, Wheelhouse	Deckhead (ceiling)	Panel Insulation	-	NIL	Unknown	S	N	NIL	-
125	A.02	A	Asbestos	Bridge Deck, Wheelhouse	Bulkhead (wall)	Panel Insulation	-	NIL	Unknown	S	N	NIL	-
126	A.03	A	Asbestos	Bridge Deck, Wheelhouse	Bulkhead (wall)	Insulation	-	NIL	Unknown	S	N	NIL	-
127	A.04	A	Asbestos	Captain Cabin	Deck covering	Carpet	-	NIL	Unknown	S	N	NIL	
128	A.05	A	Asbestos	B Deck, Captain Cabin WC	Deck covering	Tile	-	NIL	Unknown	S	N	NIL	
129	A.06	A	Asbestos	B Deck, Captain Cabin WC	Deck covering	Cement	-	NIL	Unknown	S	N	NIL	
130	A.07	A	Asbestos	B Deck, Captain Cabin	Wall	Panel Insulation	-	NIL	Unknown	S	N	NIL	
131	A.08	A	Asbestos	B Deck, Captain Cabin	Wall	Insulation	-	NIL	Unknown	S	N	NIL	

132	A.09	A	Asbestos	B Deck, Captain Cabin	Deckhead (ceiling)	Panel packing	-	NIL	Unknown	S	N	NIL	
133	A.10	A	Asbestos	B Deck, Captain Cabin	Deckhead (ceiling)	Panel Insulation	-	NIL	Unknown	S	N	NIL	
134	A.11	A	Asbestos	B Deck, corridor	Deckhead (ceiling)	Panel insulation	-	NIL	Unknown	S	N	NIL	
135	A.12	A	Asbestos	B Deck, corridor	Deck covering	PVC/Rubber	-	NIL	Unknown	S	N	NIL	
136	A.13	A	Asbestos	El Plant Room	Deck covering	PVC/Rubber	-	NIL	Unknown	S	N	NIL	
137	A.14	A	Asbestos	El Plant Room	Deck covering	Cement	-	NIL	Unknown	S	N	NIL	
138	A.15	A	Asbestos	B Deck, corridor	Wall	Panel insulation	-	NIL	Unknown	S	N	NIL	
139	A.16	A	Asbestos	A Deck, corridor	Deck covering	PVC/Rubber	-	NIL	Unknown	S	N	NIL	
140	A.17	A	Asbestos	A Deck, corridor	Deckhead (ceiling)	Panel	-	NIL	Unknown	S	N	NIL	
141	A.18	A	Asbestos	A Deck, corridor	Wall	Panel insulation	-	NIL	Unknown	S	N	NIL	
142	A.19	A	Asbestos	A Deck, corridor	Deckhead (ceiling)	Panel packing	-	NIL	Unknown	S	N	NIL	

143	A.20	A	Asbestos	A Deck, corridor	Wall	Panel packing	-	NIL	Unknown	S	N	NIL	
144	A.21	A	Asbestos	A Deck, Client Cabin	Ceiling	Panel insulation	-	NIL	Unknown	S	N	NIL	
145	A.22	A	Asbestos	A Deck, Client Cabin	Window	Rubber	-	NIL	Unknown	S	N	NIL	
146	A.23	A	Asbestos	A Deck, Client Cabin	Wall	Panel insulation	-	NIL	Unknown	S	N	NIL	
147	A.24	A	Asbestos	A Deck, AC room	Air conditioner unit	Pump packing	-	NIL	Unknown	S	N	NIL	
148	A.25	A	Asbestos	A Deck, Client Cabin WC	Deck covering	Tile	-	NIL	Unknown	S	N	NIL	
149	A.26	A	Asbestos	Forecastle Deck, Office	Deck covering	Tile	-	NIL	Unknown	S	N	NIL	
150	A.27	A	Asbestos	Forecastle Deck, Laundry	Deck covering	PCV	-	NIL	Unknown	S	N	NIL	
151	A.28	A	Asbestos	Forecastle Deck, Stores	Deck covering	Tile	-	NIL	Unknown	S	N	NIL	
152	A.29	A	Asbestos	Forecastle Deck, Corridor	Ceiling	Panel insulation	-	NIL	Unknown	S	N	NIL	
153	A.30	A	Asbestos	Forecastle Deck, Corridor	Wall	Panel insulation	-	NIL	Unknown	S	N	NIL	

154	A.31	A	Asbestos	A Deck, AC room	Deck covering	Paint	-	NIL	Unknown	S	N	NIL	
155	A.32	A	Asbestos	Forecastle Deck	Wall	Panel packing	-	NIL	Unknown	S	N	NIL	
156	A.33	A	Asbestos	Shelter Deck, Corridor	Wall	Panel Insulation	-	NIL	Unknown	S	N	NIL	
157	A.34	A	Asbestos	Shelter Deck, Corridor	Deckhead (ceiling)	Panel Insulation	-	NIL	Unknown	S	N	NIL	
158	A.35	A	Asbestos	Forecastle Deck	Mooring winch	Brake lining	-	NIL	Unknown	S	N	NIL	
159	A.36	A	Asbestos	Shelter Deck, Corridor	Deck covering	PCV	-	NIL	Unknown	S	N	NIL	-
160	A.37	A	Asbestos	Shelter Deck, galley	Fire door	Insulation	-	NIL	Unknown	S	N	NIL	
161	A.38	A	Asbestos	Shelter Deck, galley	Bulkhead (wall)	Panel	-	NIL	Unknown	S	N	NIL	-
162	A.39	A	ODS	Shelter Deck, meat store	Bulkhead (wall)	Panel	-	NIL	Unknown	S	N	NIL	-
163	A.40	A	Asbestos	Shelter Deck, Diver Mess. Room	Deck covering	Tile	-	NIL	Unknown	S	N	NIL	

164	A.41	A	Asbestos	Shelter Deck, Emergency generator room	Emergency generator engine	Lagging material turbocharger	-	NIL	Unknown	S	N	NIL	
165	A.42	A	Asbestos	Shelter Deck, Emergency generator room	Drain pipe	Flange gasket	-	NIL	Unknown	S	N	NIL	
166	A.43	A	Asbestos	Shelter Deck	Deck crane	Manhole Packing	-	NIL	Unknown	S	N	NIL	
167	A.44	A	Asbestos	Shelter Deck	Lifeboat davit	Packing	-	NIL	Unknown	S	N	NIL	
168	A.45	A	Asbestos	Shelter Deck	Fire line	Flange gasket	-	NIL	Unknown	S	N	NIL	
169	A.46	A	Asbestos	Shelter Deck	Provision crane	Packing	-	NIL	Unknown	S	N	NIL	
170	A.47	A	Asbestos	Shelter	Vent pipe	Flange gasket	-	NIL	Unknown	S	N	NIL	
171	A.48	A	Asbestos	Main Deck, Corridor	Deckhead (ceiling)	Panel Insulation	-	NIL	Unknown	S	N	NIL	
172	A.49	A	Asbestos	Main Deck, Corridor	Wall	Insulation	-	NIL	Unknown	S	N	NIL	
173	A.50	A	Asbestos	Main Deck, Corridor	Wall	Panel Insulation	-				N	NIL	

174	A.51	A	Asbestos	Main Deck, Corridor	Deck covering	PVC	-	NIL	Unknown	S	N	NIL	
175	A.52	A	Asbestos	Main Deck, Engine control room	Air conditioner unit	Panel insulation	-	NIL	Unknown	S	N	NIL	
176	A.53	A	Asbestos	Main Deck, Engine control room	Deck covering	PVC	-	NIL	Unknown	S	N	NIL	
177	A.54	A	Asbestos	Engine room	Wall	Insulation	-	NIL	Unknown	S	N	NIL	
178	A.55	A	Asbestos	Main Deck, Engine room	Main generator engine	Packing with pipe flange	-	NIL	Unknown	S	N	NIL	
179	A.56	A	Asbestos	Main Deck, Engine room	Main generator engine	Lagging material turbocharger	-	NIL	Unknown	S	N	NIL	
180	A.57	A	Asbestos	Engine room	F.O. pipe	Flange gasket	-	NIL	Unknown	S	N	NIL	
181	A.58	A	Asbestos	Engine room	Exhaust pipe	Lagging material and insulation	-	NIL	Unknown	S	N	NIL	
182	A.59	A	Asbestos	Engine room	Exhaust pipe	Flange gasket	-	NIL	Unknown	S	N	NIL	
183	A.60	A	Asbestos	Engine room	Exchanger	Flange gasket	-	NIL	Unknown	S	N	NIL	

184	A.61	A	Asbestos	Engine room, steering gear room	Paint and coating	Deck	-	NIL	Unknown	S	N	NIL	
185	A.62	A	Asbestos	Main Deck, Steering gear room	Steering gear unit	Packing	-	NIL	Unknown	S	N	NIL	
186	A.63	A	Asbestos	Engine room	Propeller shafting	Packing with casing	-	NIL	Unknown	S	N	NIL	
187	A.64	A	Asbestos	Engine room	Sea water pipe	Flange gasket	-	NIL	Unknown	S	N	NIL	
188	A.65	A	Asbestos	Engine room	L.O. pipe	Flange gasket	-	NIL	Unknown	S	N	NIL	
189	A.66	A	Asbestos	Engine room	Water pump	Flange gasket	-	NIL	Unknown	S	N	NIL	
190	A.67	A	Asbestos	Engine room	F.O. Strainer	Flange gasket	-	NIL	Unknown	S	N	NIL	
191	A.68	A	Asbestos	Shelter Deck, Engine casing	Bulkhead (wall)	Insulation Covering	-	NIL	Unknown	S	N	NIL	
192	A.69	A	Asbestos	Shelter Deck, Engine casing	Bulkhead (wall)	Insulation	-	NIL	Unknown	S	N	NIL	
193	B.04	A	ODS	A Deck, AC room	Refrigeration plant	Refrigerant	50,00	NIL	Unknown	V	PCHM	NIL	Potentially Containing Hazardous Materials

194	B.16	A	ODS	Main Deck, Engine control room	ECR air conditioner unit	Refrigerant	20,00	NIL	Unknown	V	PCHM	NIL	Potentially Containing Hazardous Materials
195	B.18	A	ODS	Engine room	Provision compressor	Refrigerant	20,00	NIL	Unknown	V	PCHM	NIL	Potentially Containing Hazardous Materials
196	B.19	A	PCB	Below Main Deck, Engine room	Transformer	Insulating oil	-	NIL	Unknown	V	N	NIL	Dry type
197	V-111	A	PCB	Engine room	Transformer	Insulating oil	-	NIL	Unknown	V	N	NIL	Dry type
198	V-114	B	Mercury	Main Deck, Engine room	Main generator engine, Thermometer	Thermometer	-	NIL	Unknown	V	N	NIL	Blue colour
199	V-42	B	Lead and Lead compounds	A Deck	Life Boats battery	Battery Internals	60,00	NIL	Contained	V	Y	NIL	Sealed Lead Acid Battery
200	V-79	B	Lead and Lead compounds	Shelter Deck, Battery room	General use battery	Battery Internals	440,00	NIL	Contained	V	Y	NIL	Sealed Lead Acid Battery

Note:

Y= Contained Hazardous Materials

N= Not Contained Hazardous Materials

PCHM= Potentially Containing Hazardous Materials

V= Visual Check

S= Sampling Check

The rows in which the checked Hazardous Materials were above their specified threshold levels in EMSA guideline were colored in red.

Appendix 2



Location Diagrams of Checkpoints on Ship Drawings

NSS FELINTO PERRY

INCOMAR INSPECTION EXPERTISE SERVICES CO.LTD.

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Sultanbeyli V.D. - V.D. Version 1.0 0834 - Ticaret Sicil No: 698828



A1
CERTIFICATION &
INSPECTION



PEACE OF MIND

	IHM CHECKPOINT REPORT FELINTO PERRY	Nº O/S: 5638/2024	
		FOLHA: 1 de 13	
		REV: 01	
Título do DOC: IHM CHECKPOINT REPORT		Site of Survey: MOCANSLUÉ ISLAND (BRW)	
ISSUE: 04/10/2024		Review Date: 00/00/0000	
Ship's Name: FELINTO PERRY		Client: INCOMAR INSPECTION EXPERTISE SERVICES	Document: AWS 5638/2024

FELINTO PERRY



CHECKPOINT OF INVENTORY HARZARDOUS MATERIALS (IHM)

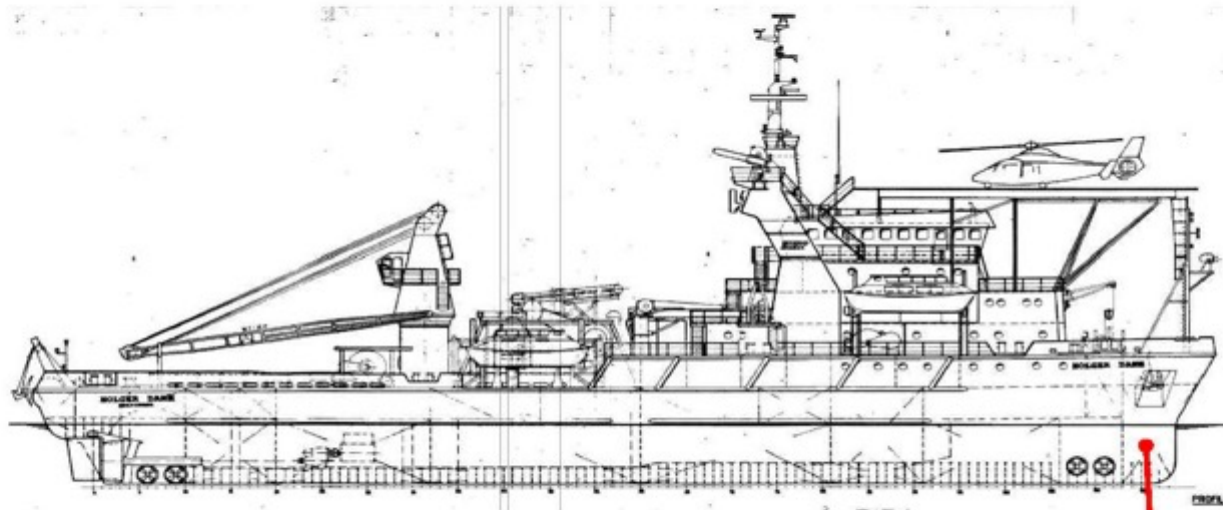


GENERAL ARRANGEMENT. CHECKPOINT OF COLLECTED SAMPLES



FELINTO PERRY

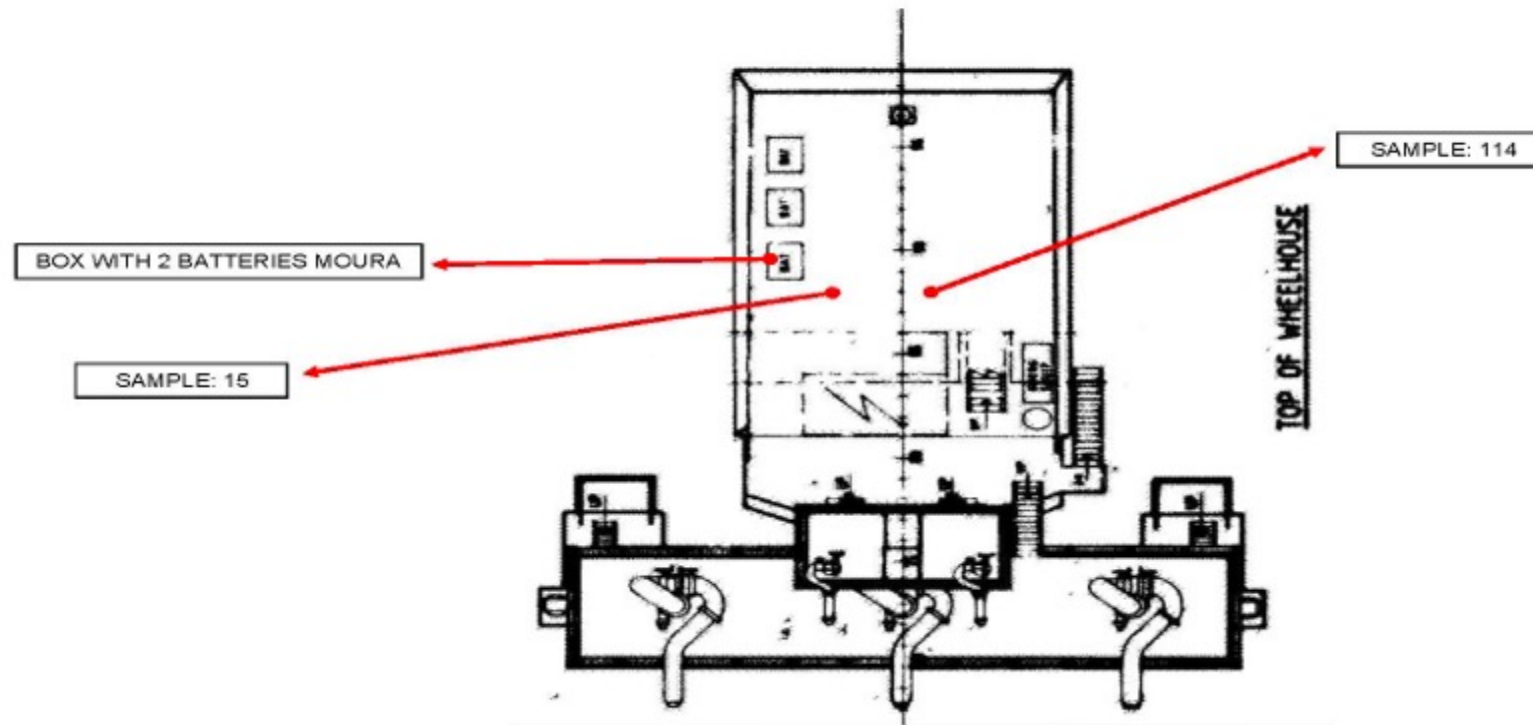
Verifications / Verificações:			
Status	Name / Nome	Function / Função	Date / Data
Submitted by :	Capt. Igor S. A Ferreira	Auditor, Consultant, Marine Surveyor	10/04/2024
Verified by:	Eng. Ednilson Moisés do Nascimento	CEO / Principal	11/04/2024
Approved by:	Eng. Ednilson Moisés do Nascimento	CEO / Principal	11/04/2024



	IHM CHECKPOINT REPORT FELINTO PERRY	Nº O/S: 5282/2024	
		FOLHA: 2 de 13	
		REV: 00	
Título do DOC: IHM CHECKPOINT REPORT		Site of Survey: MOCANGUÊ ISLAND (BNRJ)	
ISSUE: 04/10/2024		Review Date: 00/00/0000	
Ship's Name: FELINTO PERRY		Client: INCOMAR INSPECTION EXPERTISE SERVICES	Document: AWS 5282/2024

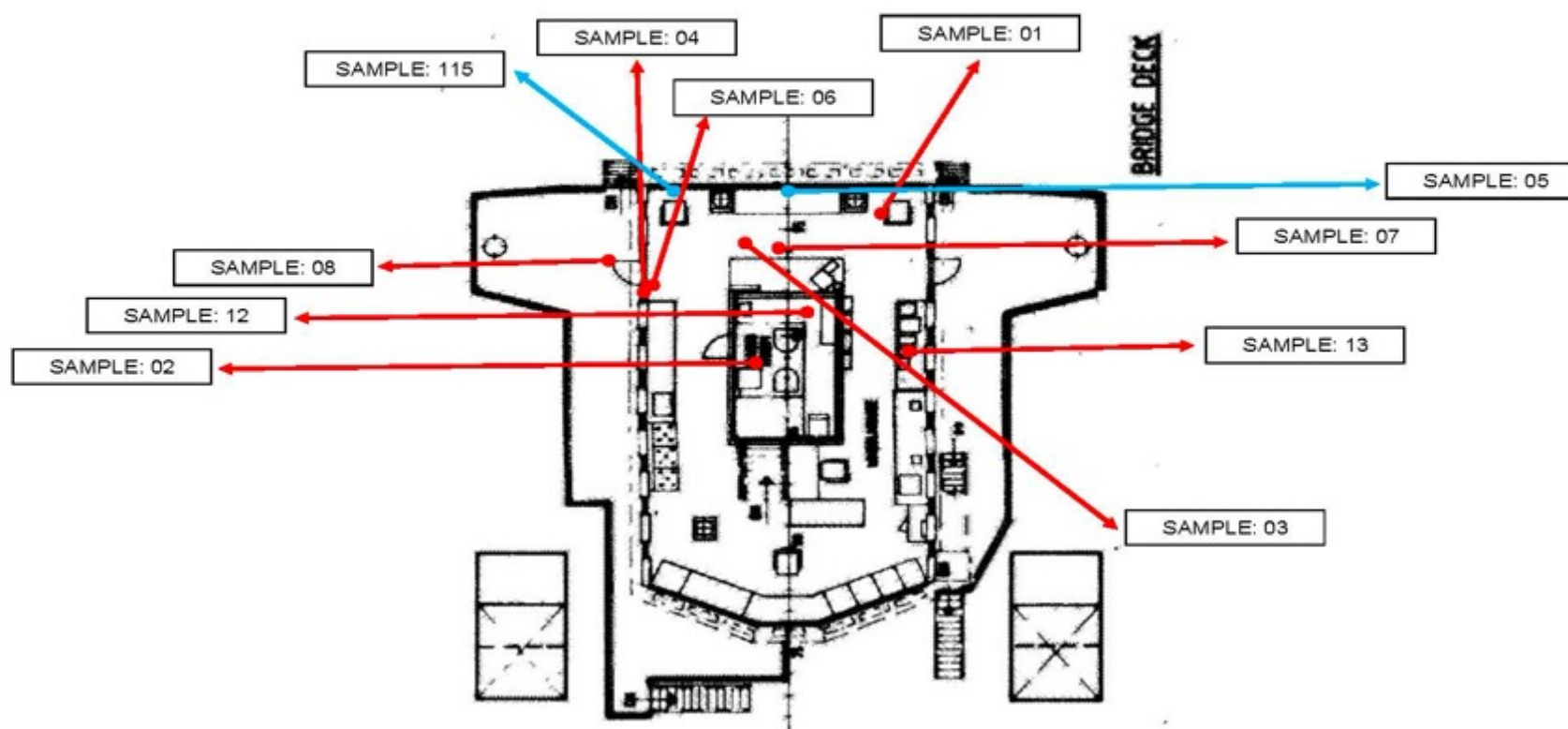





SAMPLE: 126

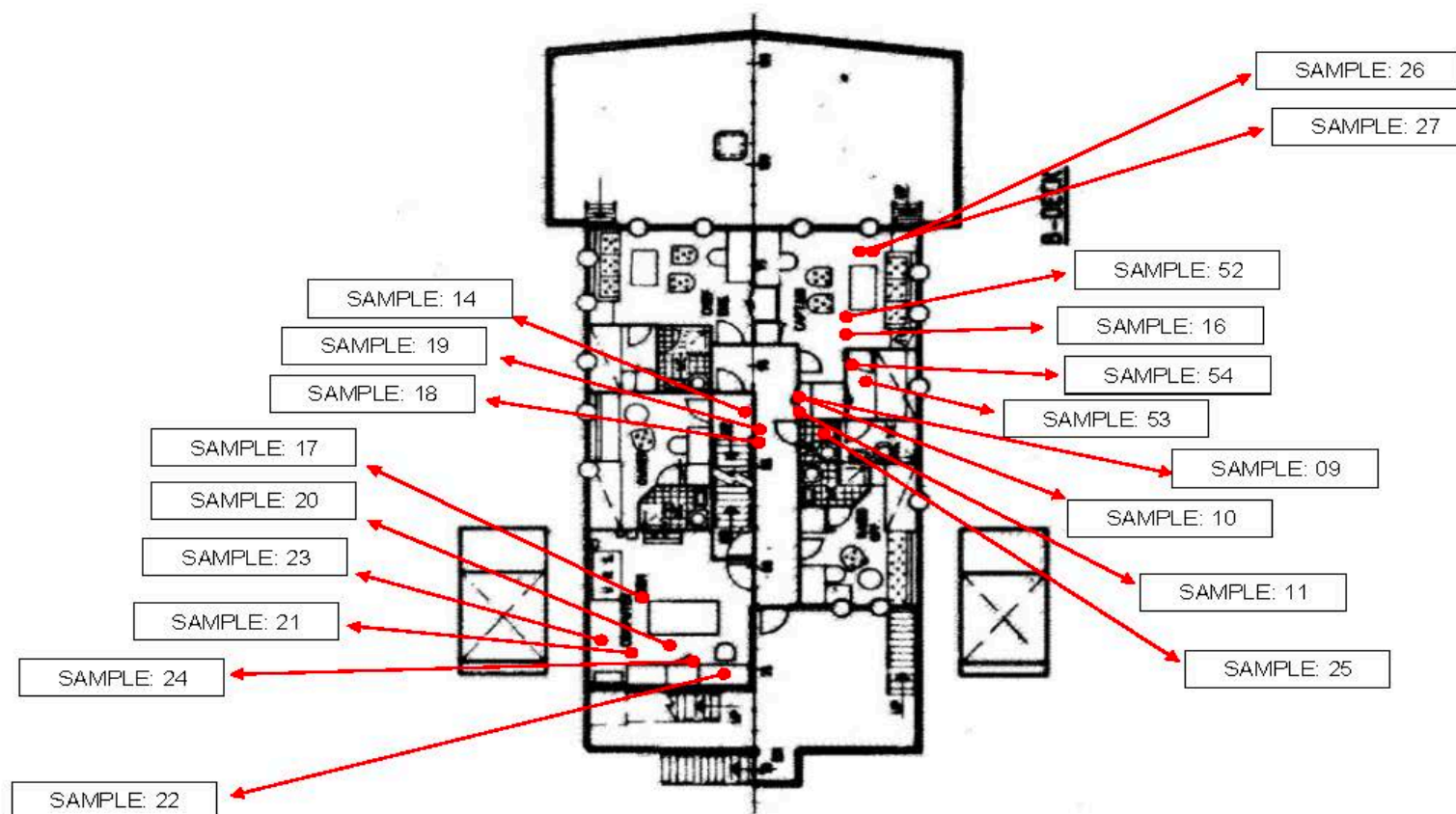
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		FOLHA: 3 de 13	
		REV: 00	
<p>Titulo da DOC: IHM CHECKPOINT REPORT</p>		<p>Site of Survey: MOCANGUÉ ISLAND (BNRJ)</p>	
<p>ISSUE: 04/10/2024</p>		<p>Review Date: 00/00/0000</p>	
<p>Ship's Name: FELINTO PERRY</p>		<p>Client: INCOMAR INSPECTION EXPERTISE SERVICES</p>	<p>Document: AWS 5282/2024</p>





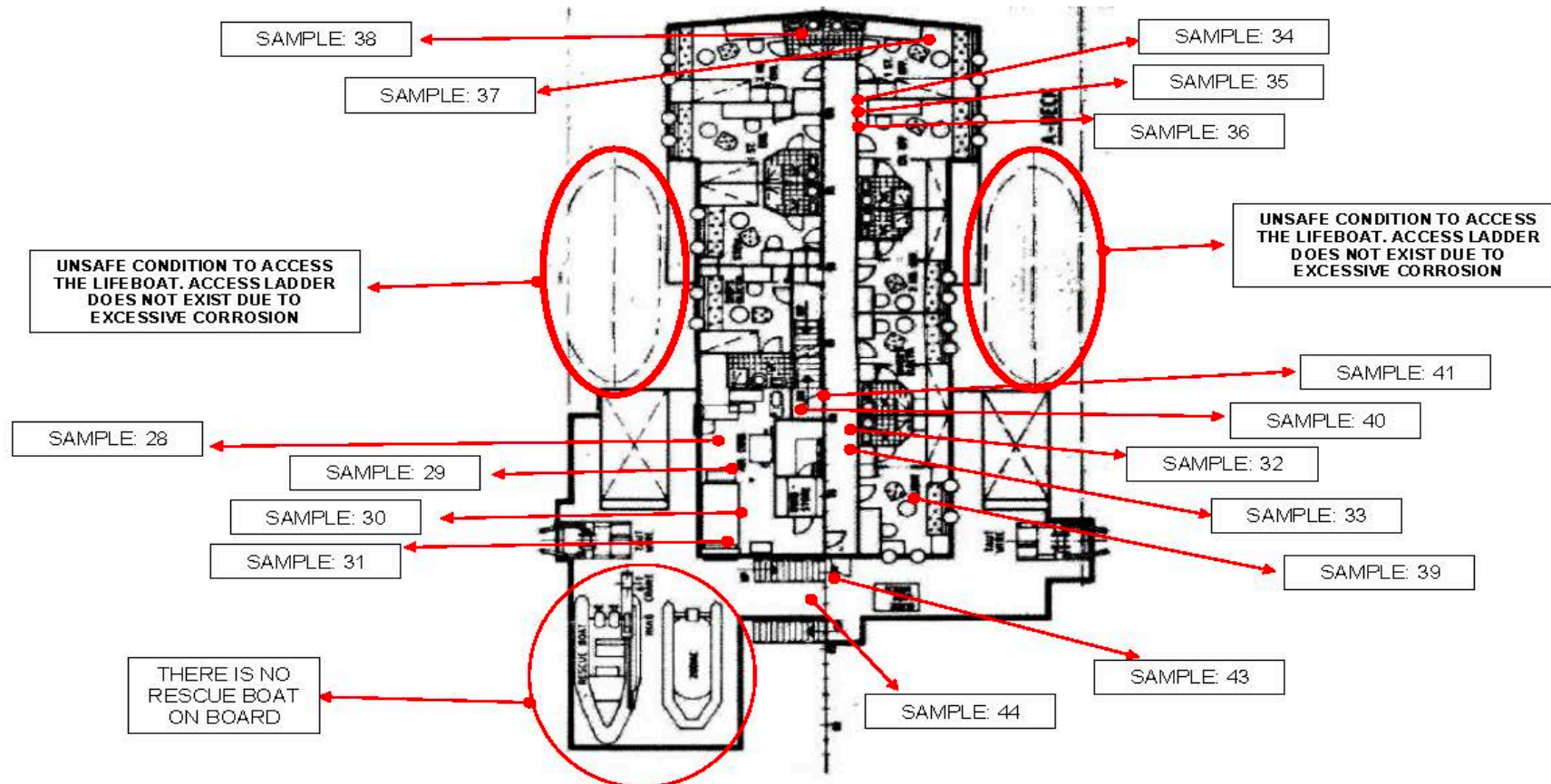
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	FELINTO PERRY	FOLHA: 4 de 13	
		REV: 00	
Título do DOC: IHM CHECKPOINT REPORT		Site of Survey: MOCANGUÉ ISLAND (BNRJ)	
ISSUE: 04/10/2024		Review Date: 00/00/0000	
Ship's Name: FELINTO PERRY		Client: INCOMAR INSPECTION EXPERTISE SERVICES	Document: AWS 5282/2024





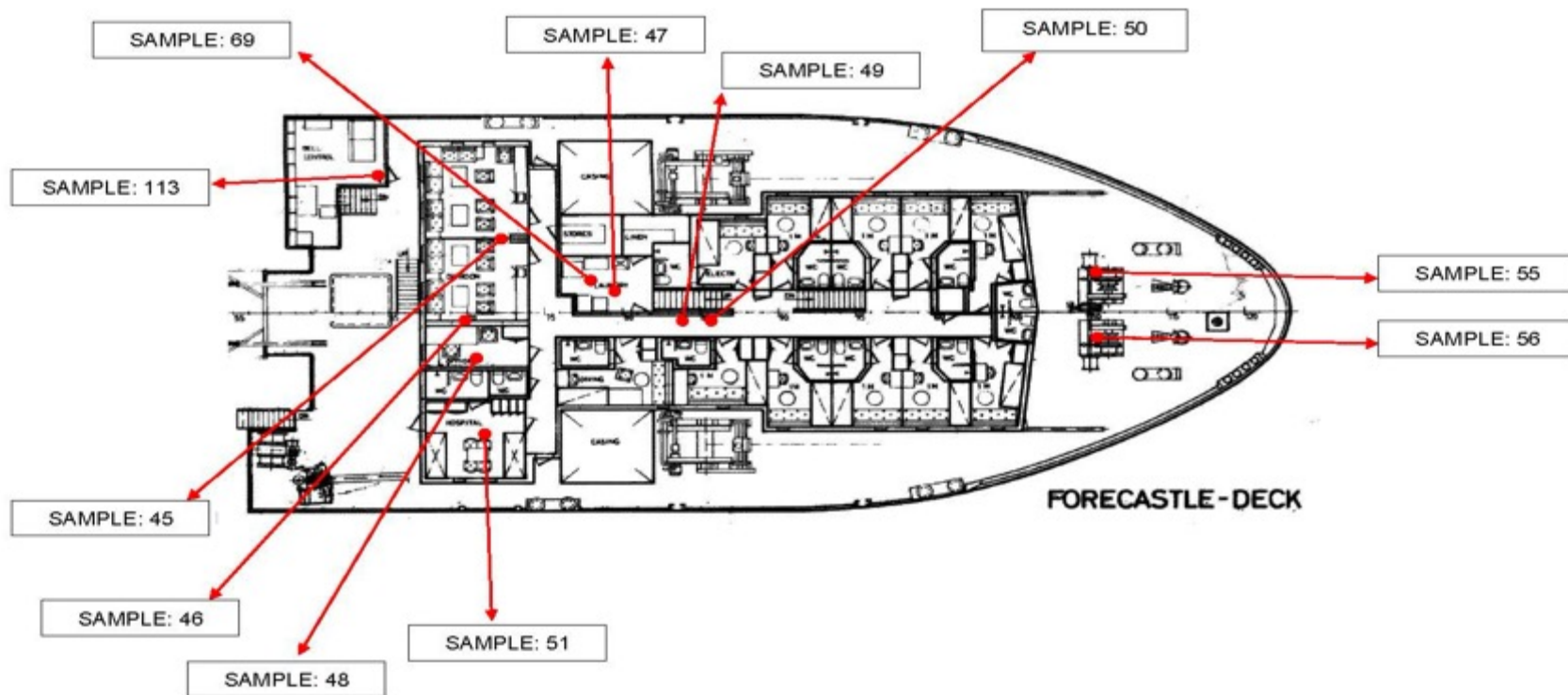
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		<i>FOLHA: 5 de 13</i>	
		<i>REV: 00</i>	
<i>Titulo do DOC: IHM CHECKPOINT REPORT</i>		<i>Site of Survey: MOCANGUÊ ISLAND (BNRI)</i>	
<i>ISSUE: 04/10/2024</i>		<i>Review Date: 00/00/0000</i>	
<i>Ship's Name: FELINTO PERRY</i>		<i>Client: INCOMAR INSPECTION EXPERTISE SERVICES</i>	<i>Document: AWS 5282/2024</i>





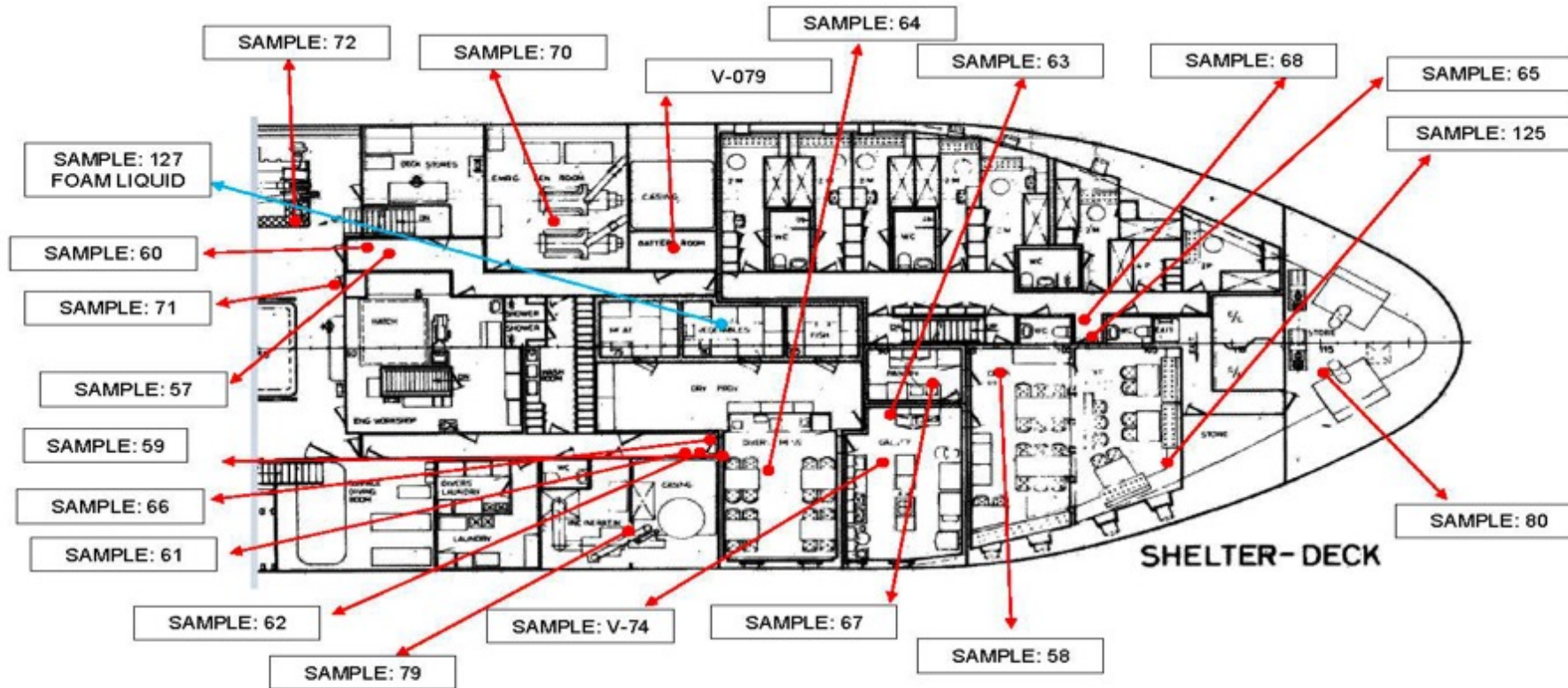
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		REV: 00	
<i>Título do DOC: IHM CHECKPOINT REPORT</i>		<i>Site of Survey: MOCANGUÊ ISLAND (BNRJ)</i>	
<i>ISSUE: 04/10/2024</i>		<i>Review Date: 00/00/0000</i>	
<i>Ship's Name: FELINTO PERRY</i>		<i>Client: INCOMAR INSPECTION EXPERTISE SERVICES</i>	<i>Document: AWS 5282/2024</i>





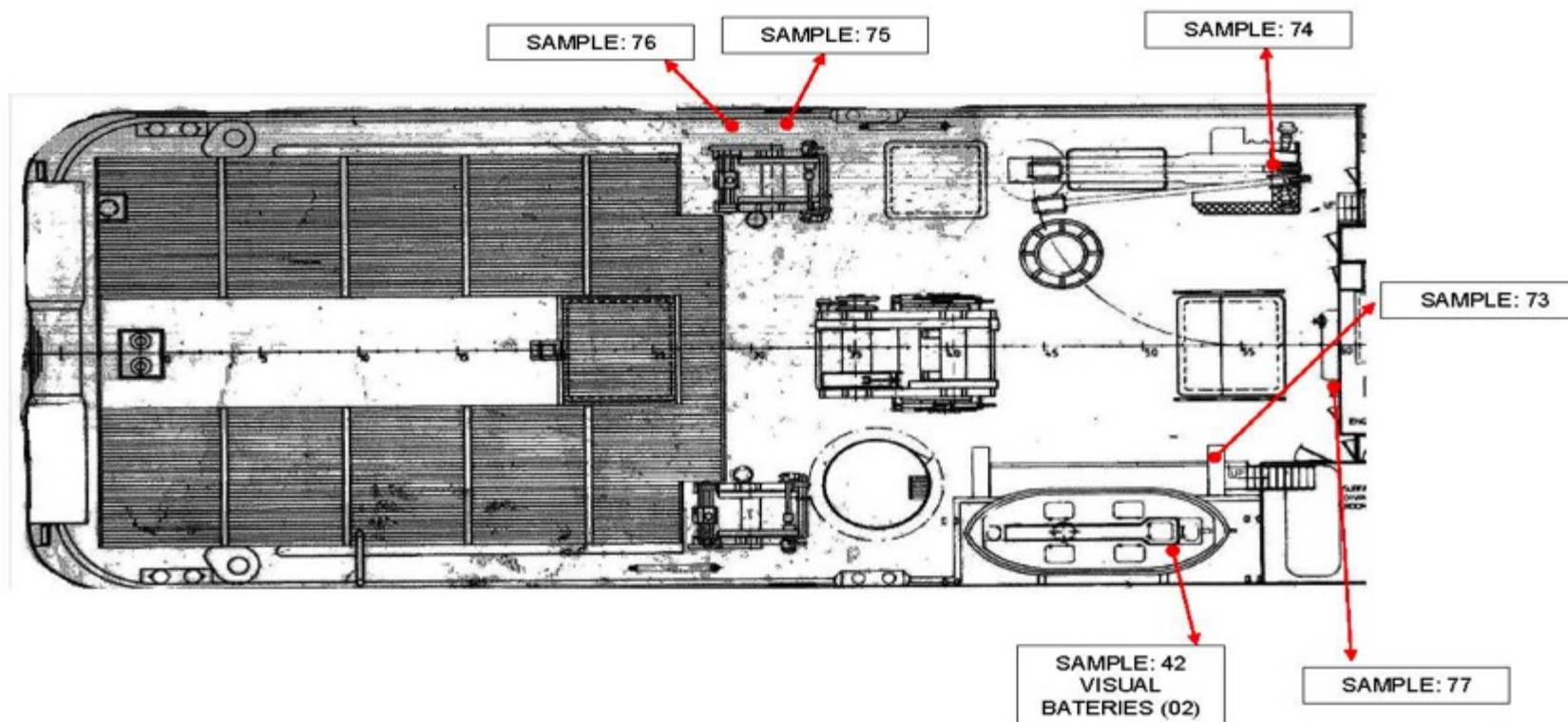
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ISSUE: 04/10/2024		Review Date: 00/00/0000	
Ship's Name: FELINTO PERRY		Client: INCOMAR INSPECTION EXPERTISE SERVICES	Document: AWS 5282/2024





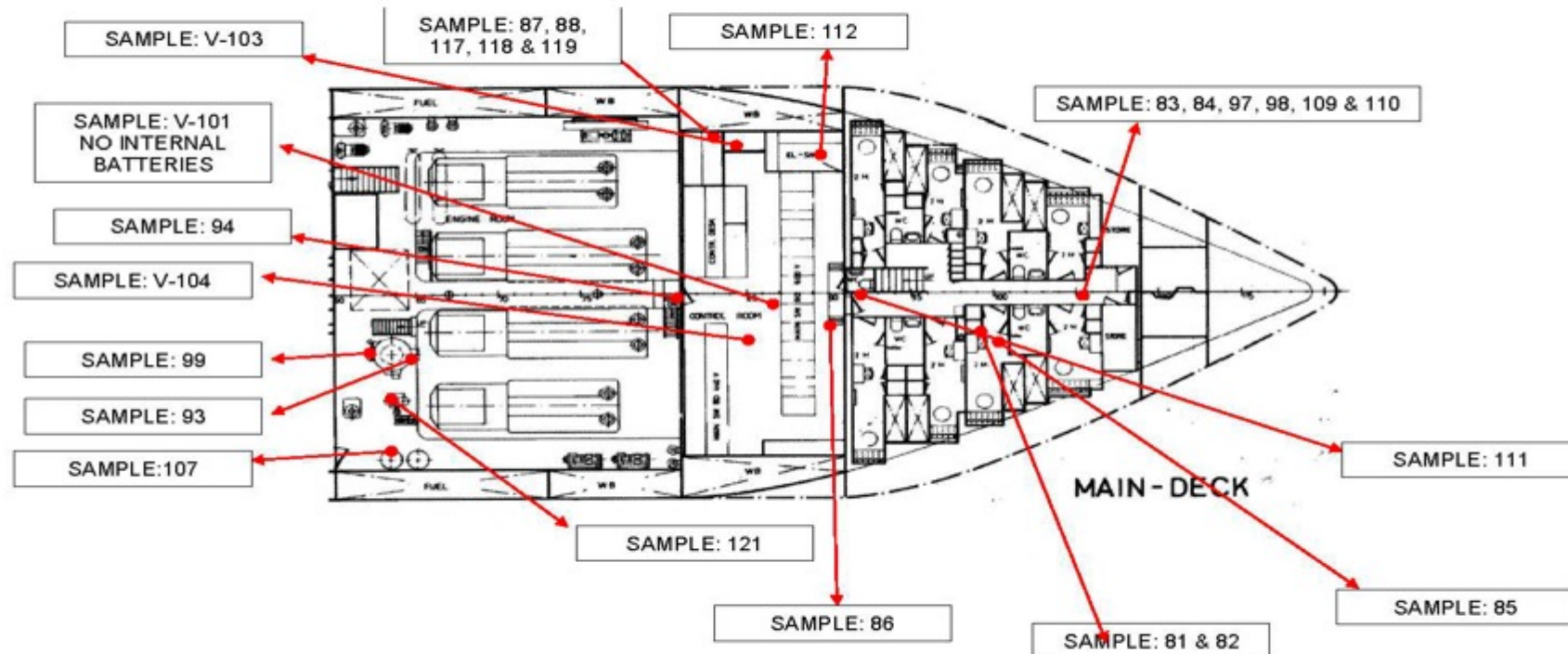
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ISSUE: 04/10/2024		Review Date: 00/00/0000	
Ship's Name: FELINTO PERRY		Client: INCOMAR INSPECTION EXPERTISE SERVICES	Document: AWS 5282/2024





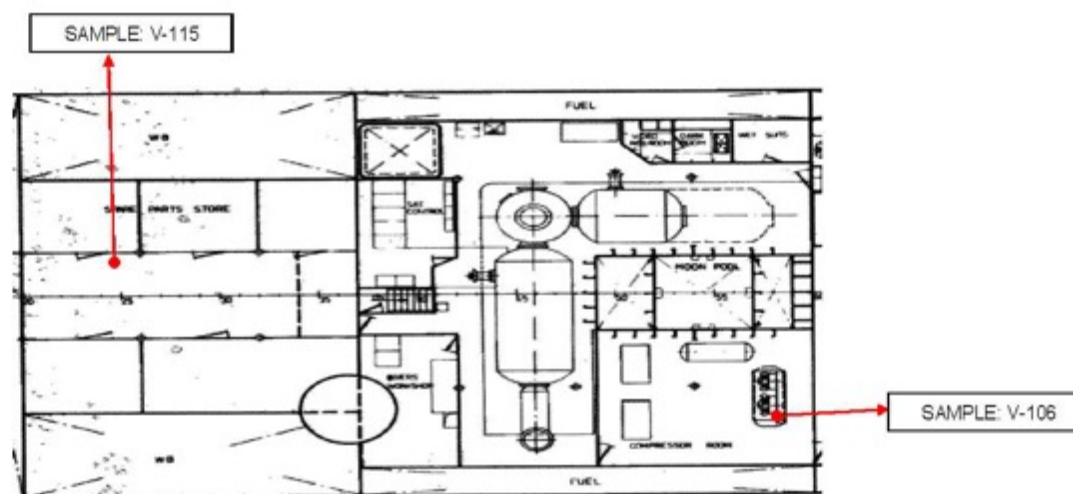
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ISSUE: 04/10/2024	Review Date: 00/00/0000		
Ship's Name: FELINTO PERRY	Client: INCOMAR INSPECTION EXPERTISE SERVICES	Document: AWS 5282/2024	





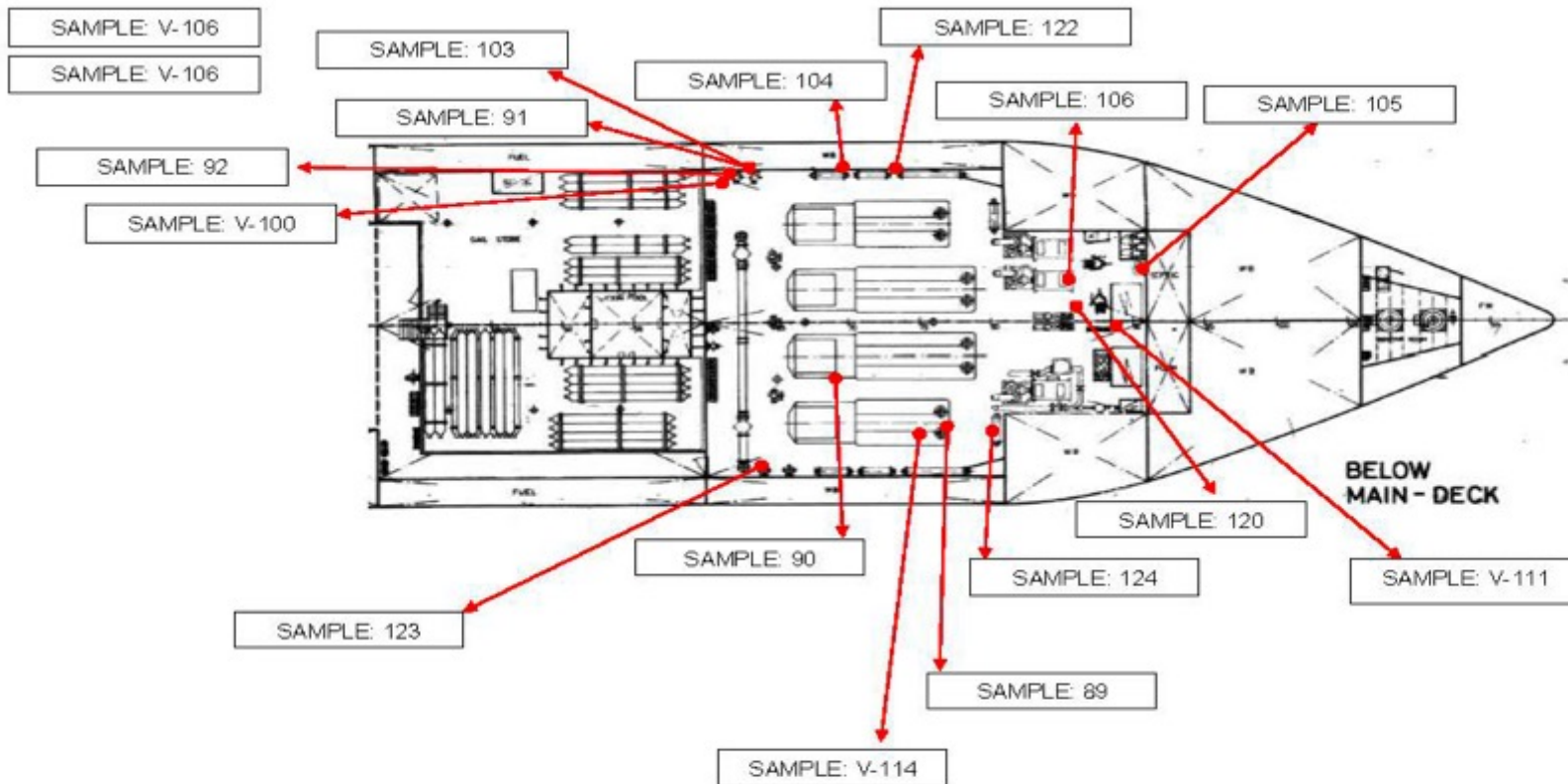
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ISSUE: 04/10/2024		Review Date: 00/00/0000	
Ship's Name: FELINTO PERRY		Client: INCOMAR INSPECTION EXPERTISE SERVICES	Document: AWS 5282/2024





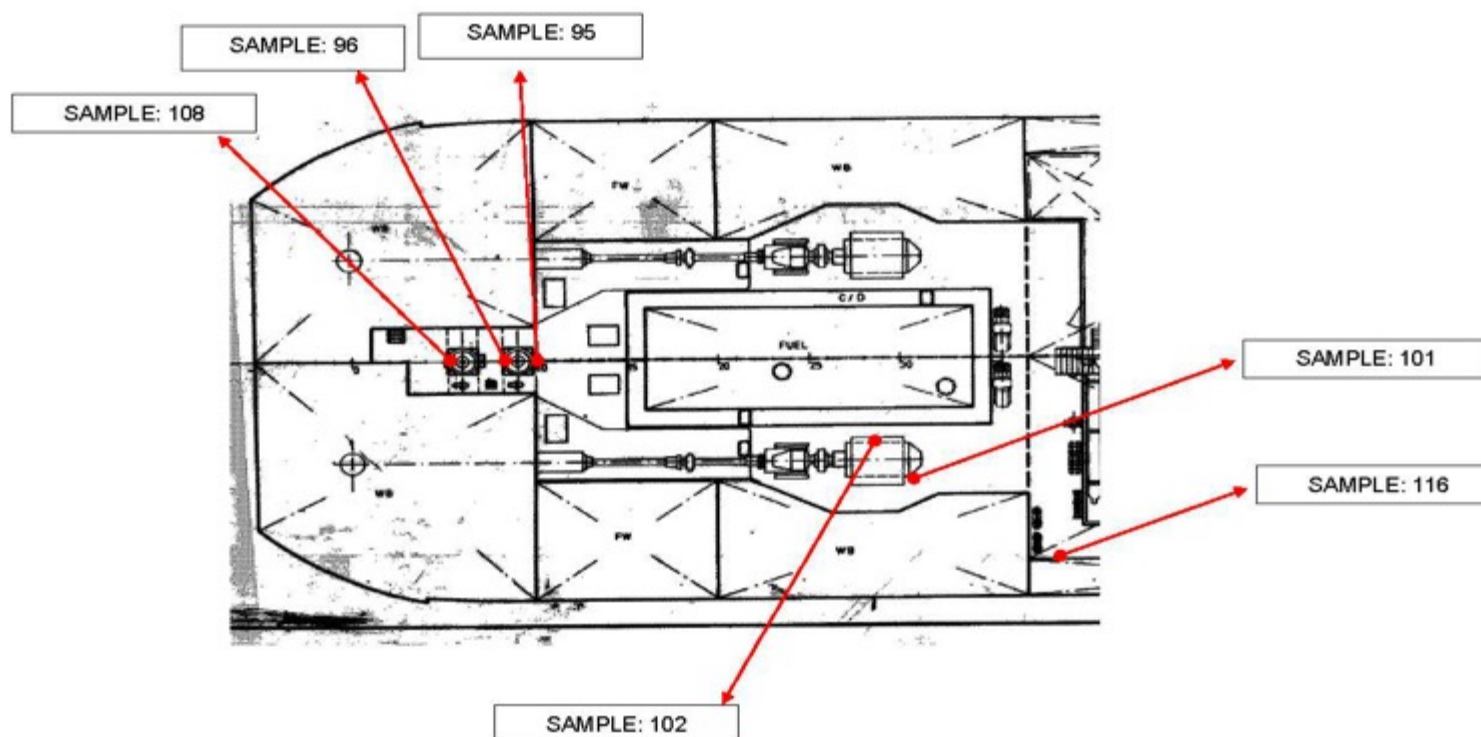
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ISSUE: 04/10/2024		Review Date: 00/00/0000	
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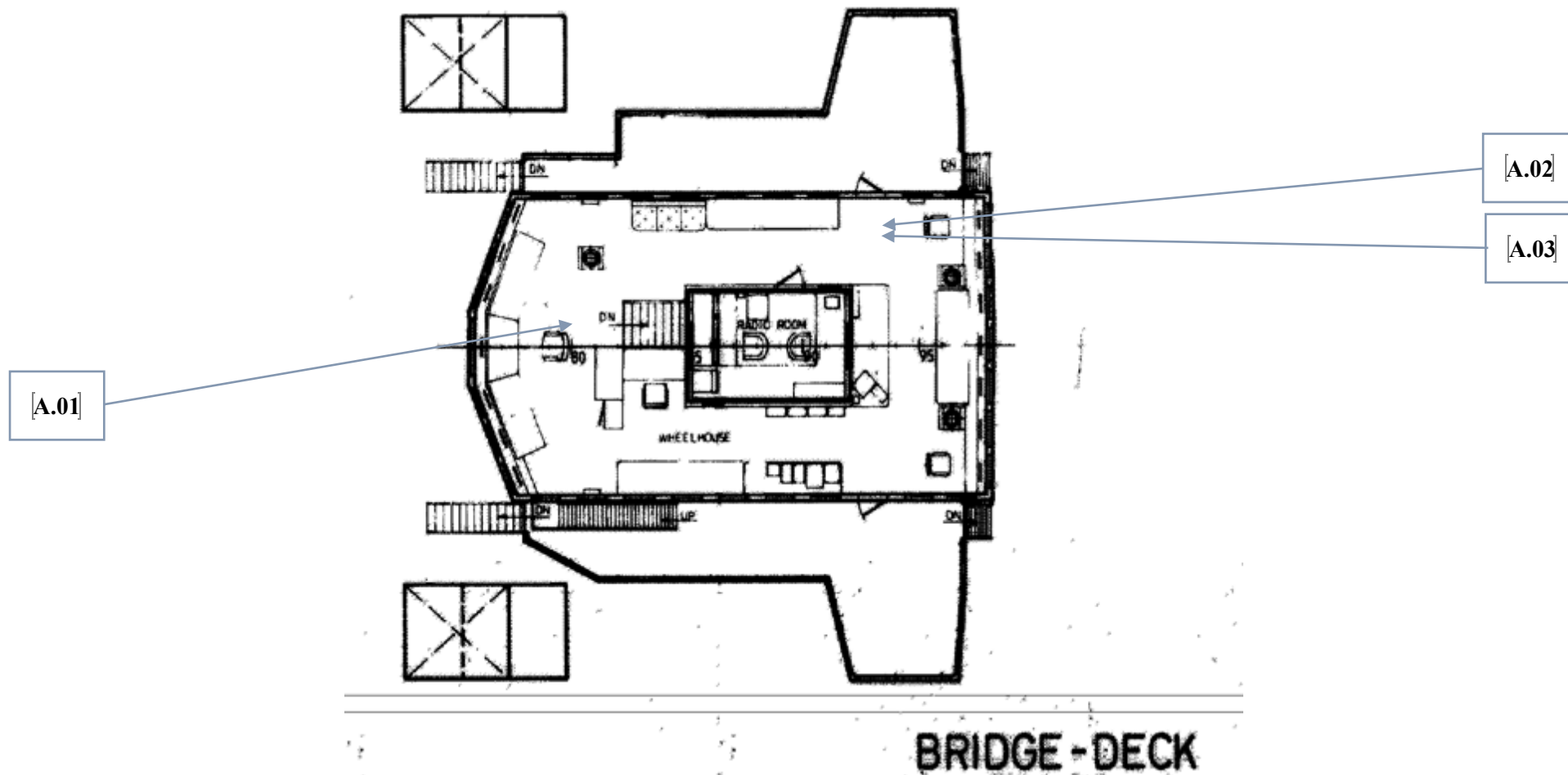
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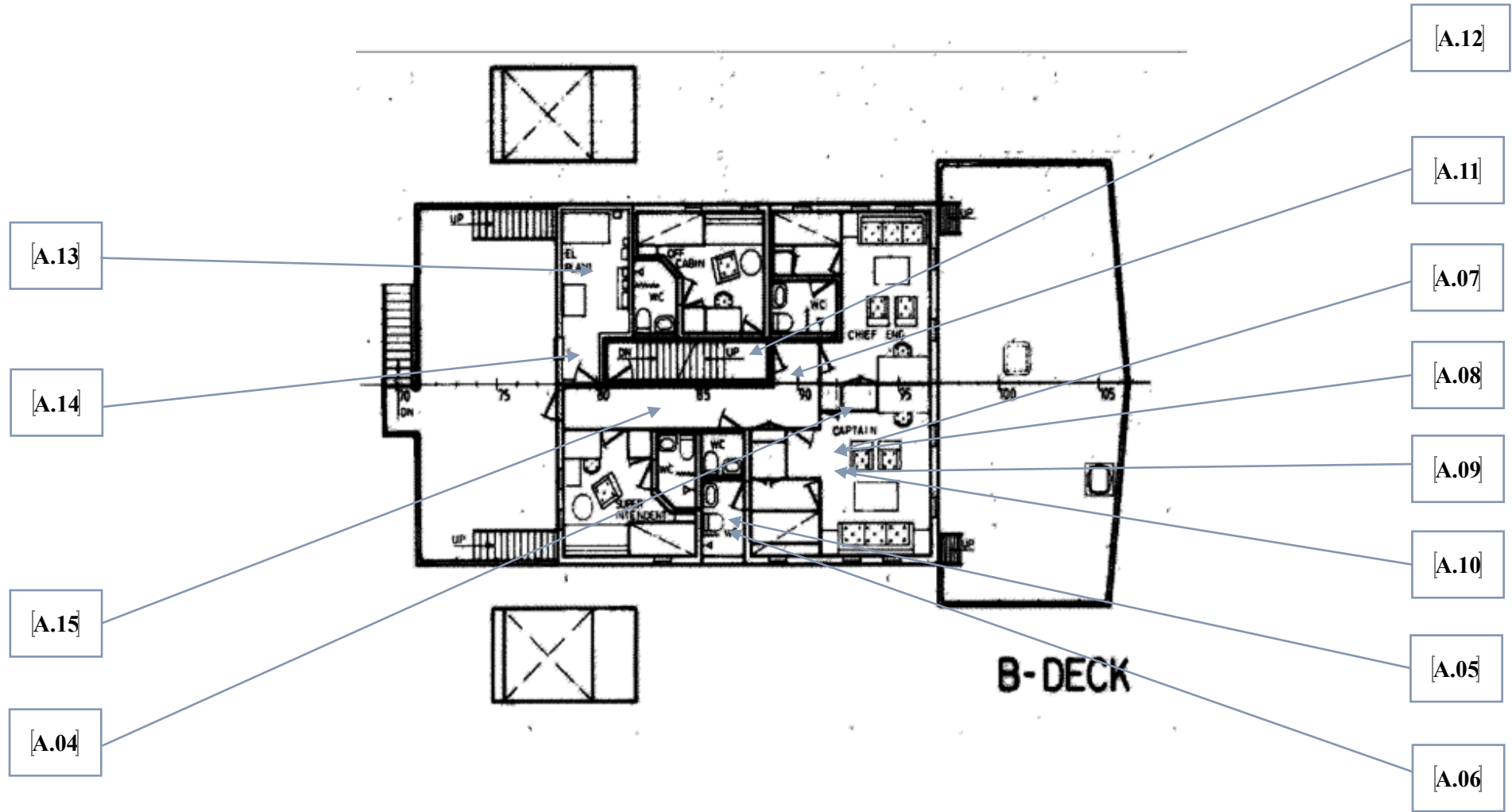
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ISSUE: 04/10/2024		Review Date: 00/00/0000	
Ship's Name: FELINTO PERRY		Client: INCOMAR INSPECTION EXPERTISE SERVICES	Document: AWS 5282/2024



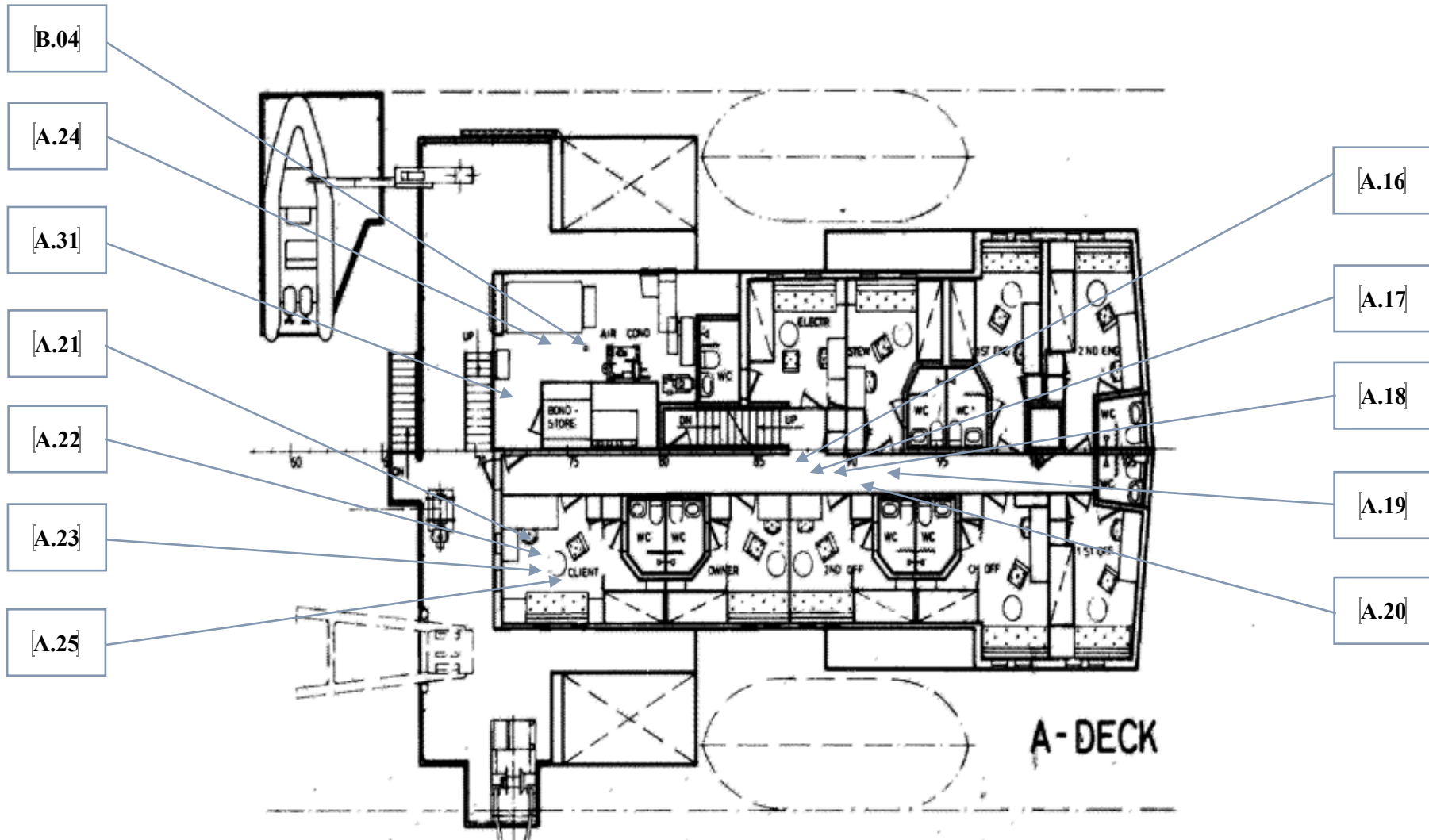
BRIDGE DECK



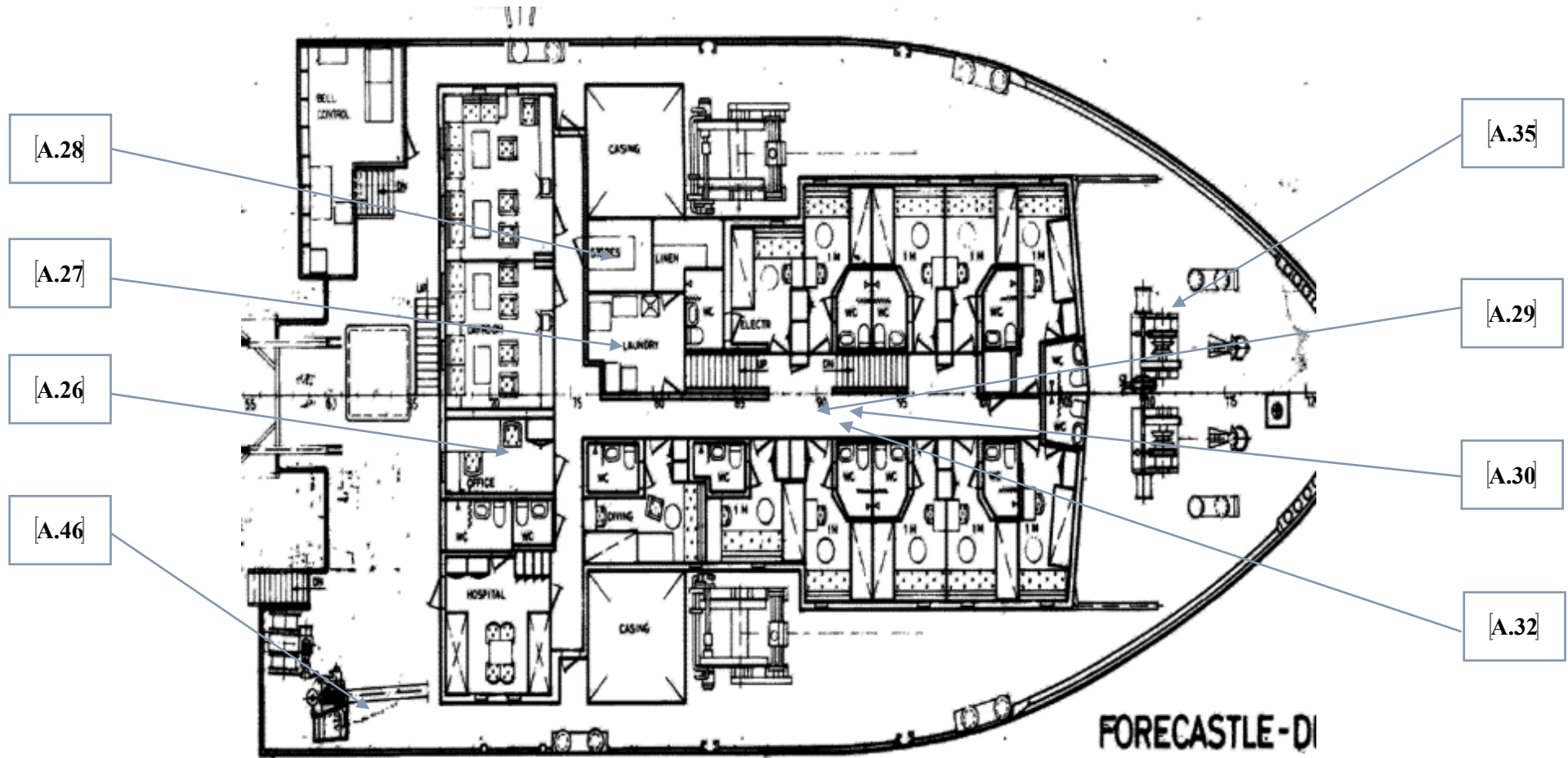
B Deck



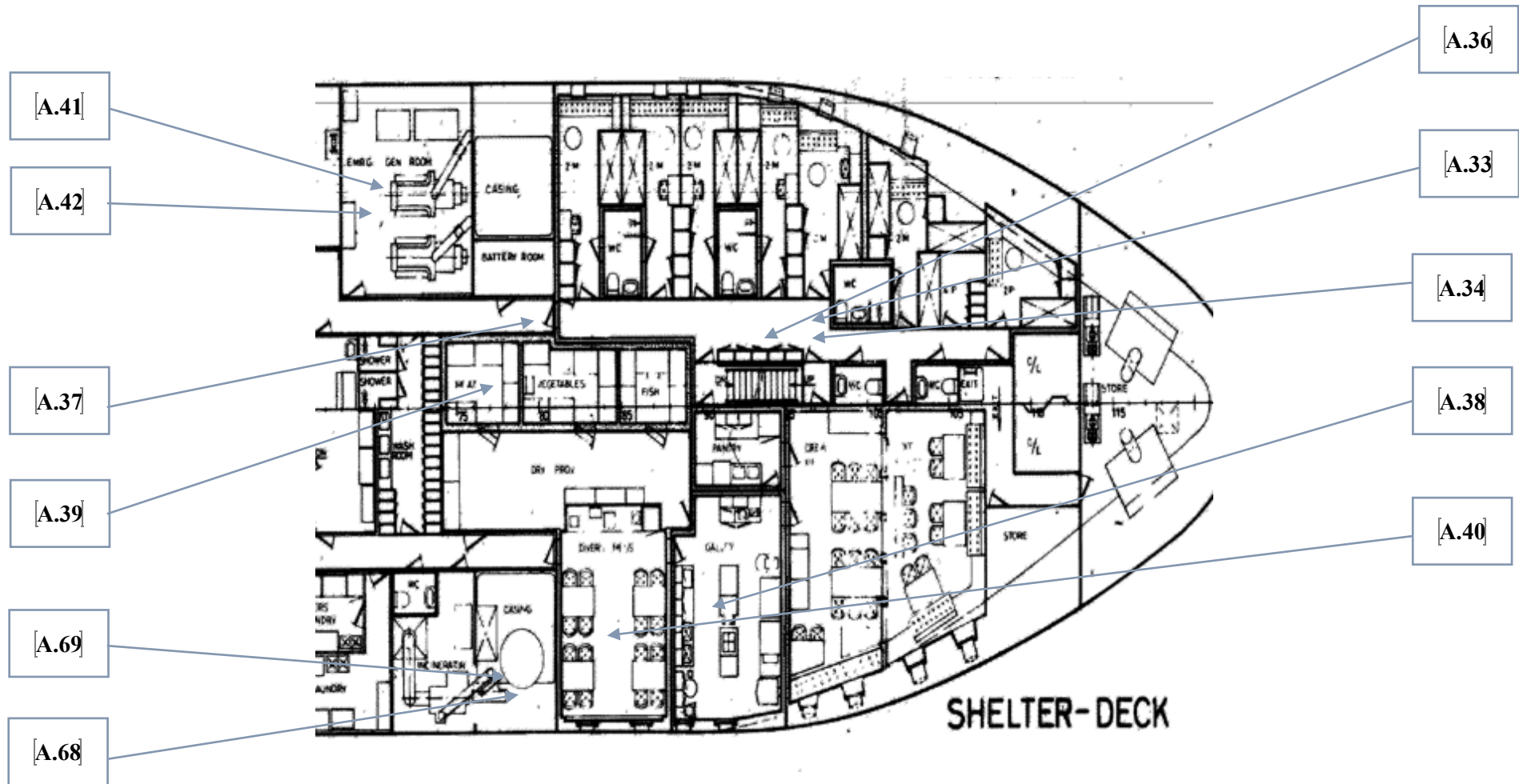
A Deck



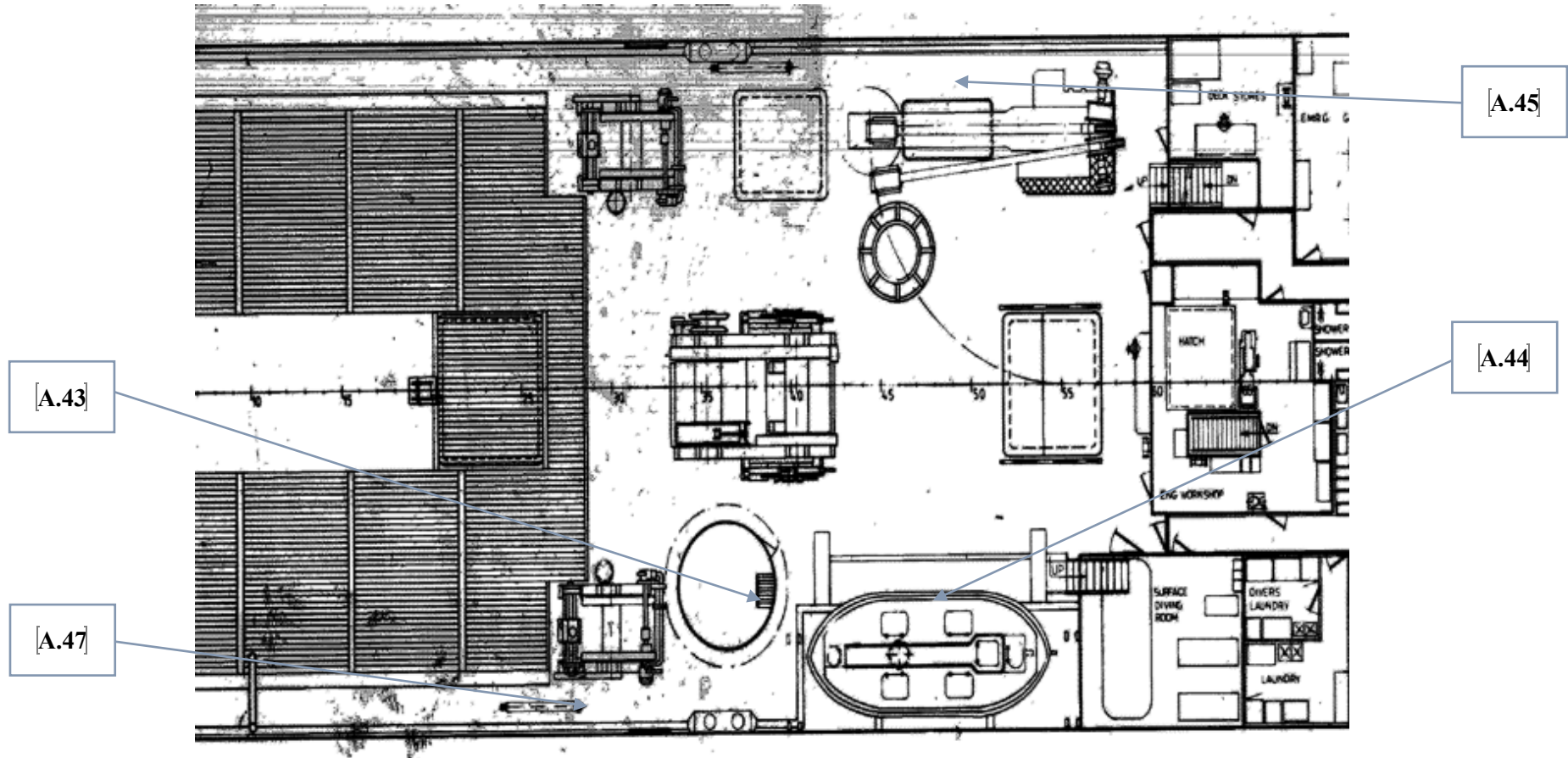
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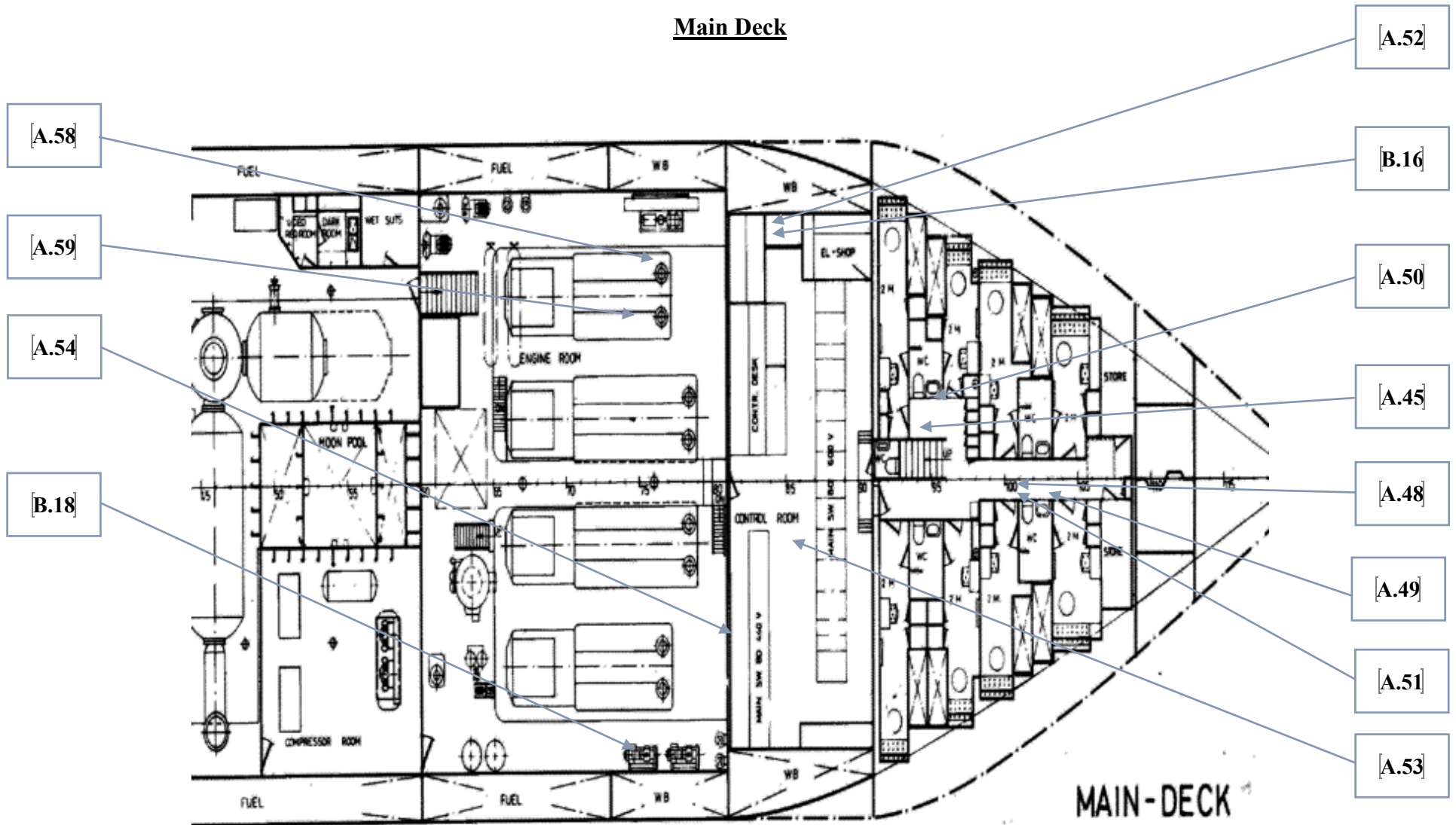
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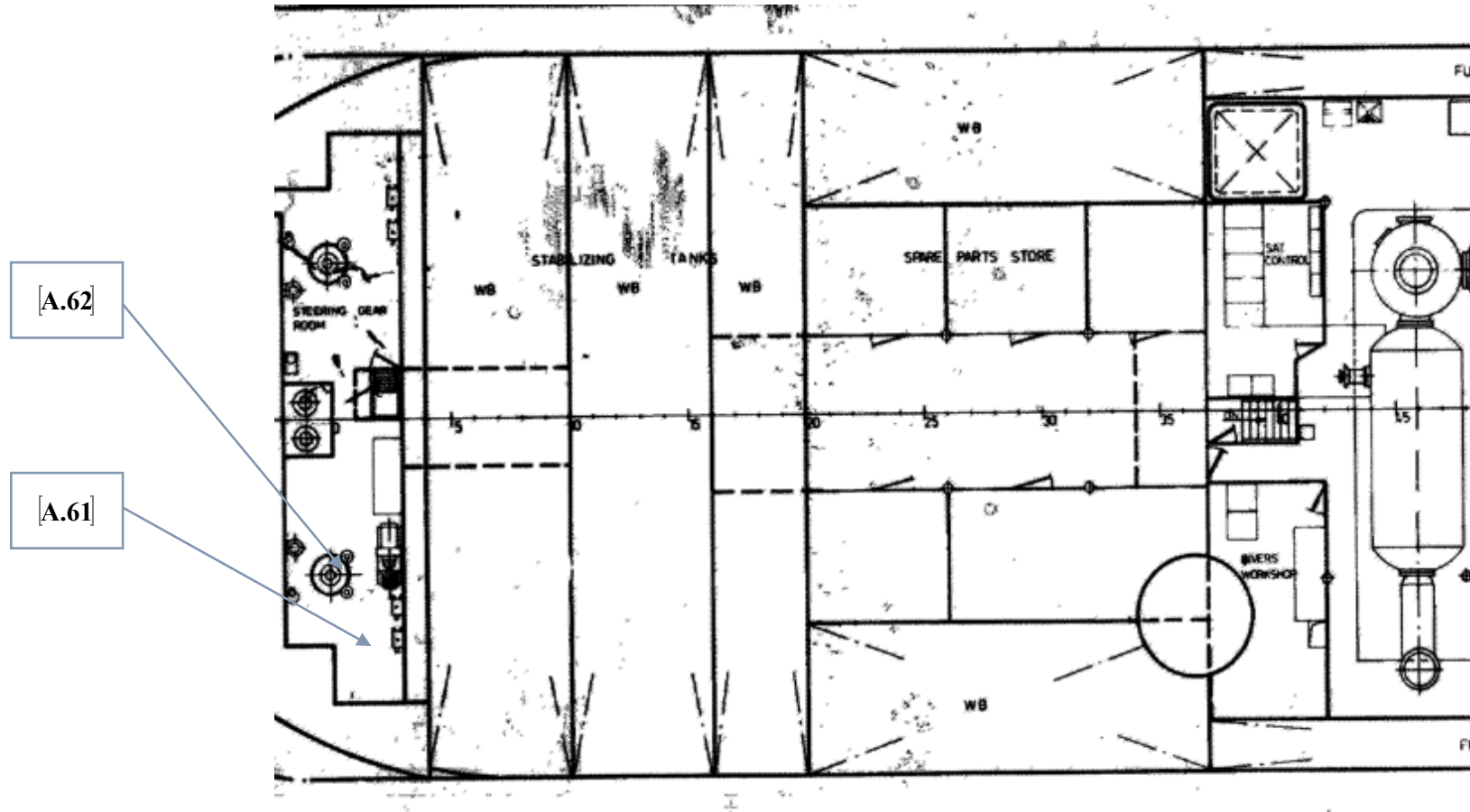
Shelter Deck



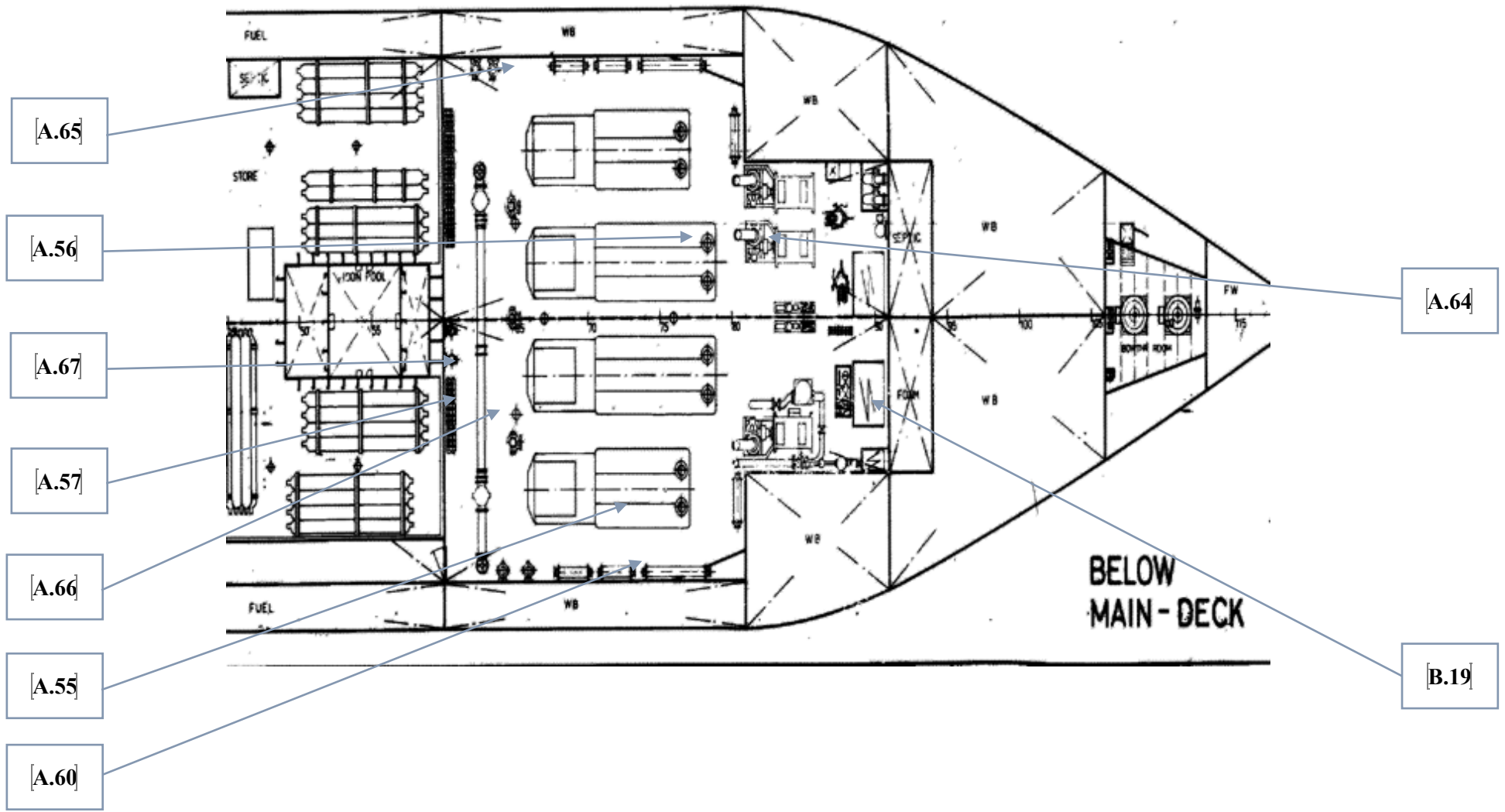
Main Deck



Main Deck

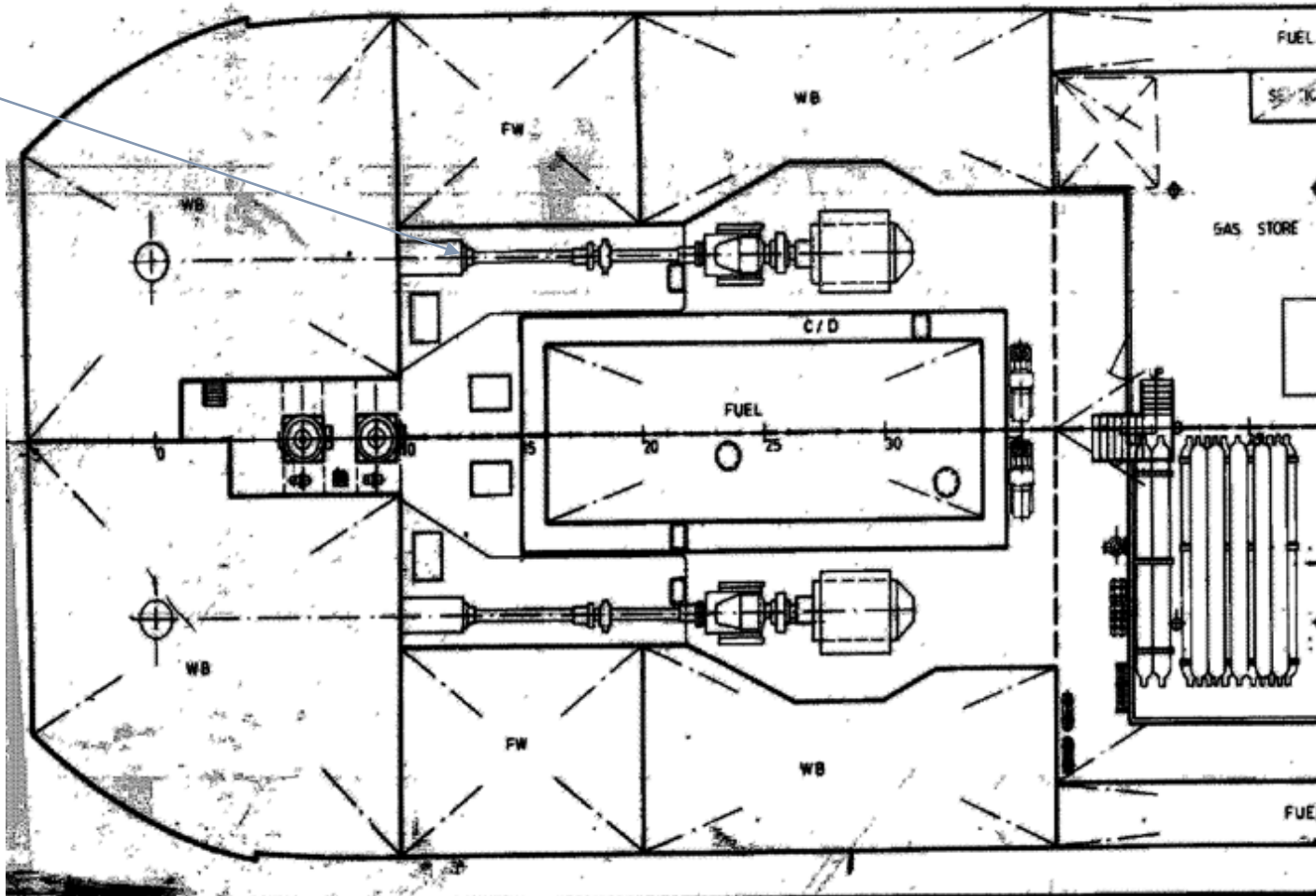


Below Main Deck



Below Main Deck

[A.63]



Appendix 3

Pictures of Checkpoints

NSS FELINTO PERRY



01 (Close shot)



01 (Perspective)



02 (Close shot)



02 (Perspective)



03 (Close shot)



03 (Perspective)



04 (Close shot)



04 (Perspective)



05 (Close shot)



05 (Perspective)



06 (Close shot)



06 (Perspective)



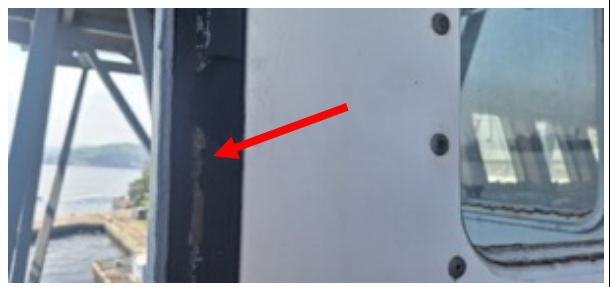
V-07 (Close shot)



V-07 (Perspective)



08 (Close shot)



08 (Perspective)



09 (Close shot)



09 (Perspective)



10 (Close shot)



10 (Perspective)



11 (Close shot)



11 (Perspective)



14 (Close shot)



14 (Perspective)



15 (Close shot)



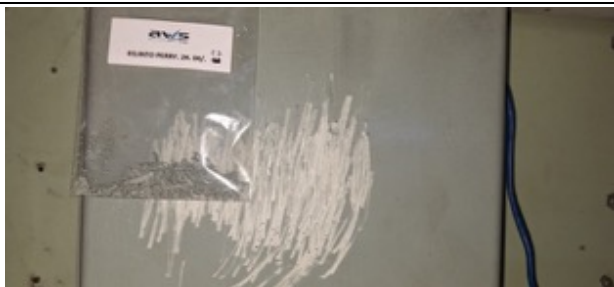
15 (Perspective)



16 (Close shot)



16 (Perspective)



17 (Close shot)



17 (Perspective)



18 (Close shot)



18 (Perspective)



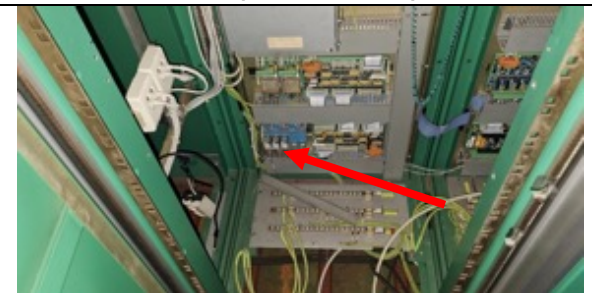
19 (Close shot)



19 (Perspective)



20 (Close shot)



20 (Perspective)



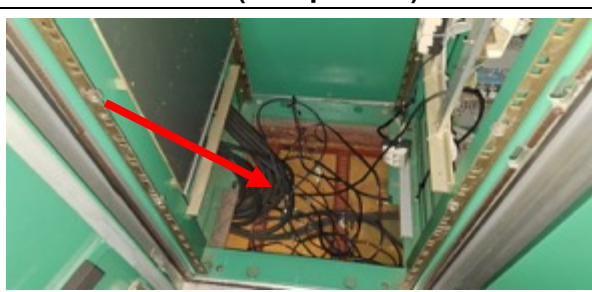
21 (Close shot)



21 (Perspective)



22 (Close shot)



22 (Perspective)



23 (Close shot)



23 (Perspective)



24 (Close shot)



24 (Perspective)



25 (Close shot)



25 (Perspective)



26 (Close shot)



26 (Perspective)



27 (Close shot)



27 (Perspective)



28 (Close shot)



28 (Perspective)



29 (Close shot)



29 (Perspective)



30 (Close shot)



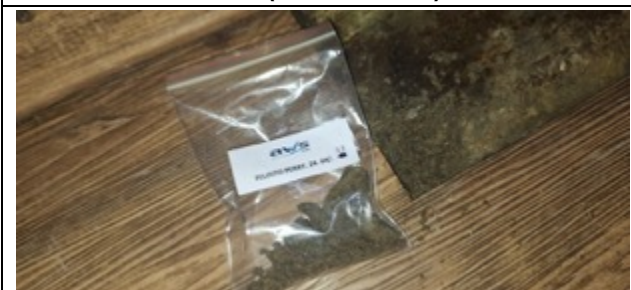
30 (Perspective)



32 (Close shot)



32 (Perspective)



33 (Close shot)



33 (Perspective)



34 (Close shot)



34 (Perspective)



35 (Close shot)



35 (Perspective)



36 (Close shot)



36 (Perspective)



37 (Close shot)



37 (Perspective)



38 (Close shot)



38 (Perspective)



39 (Close shot)



39 (Perspective)



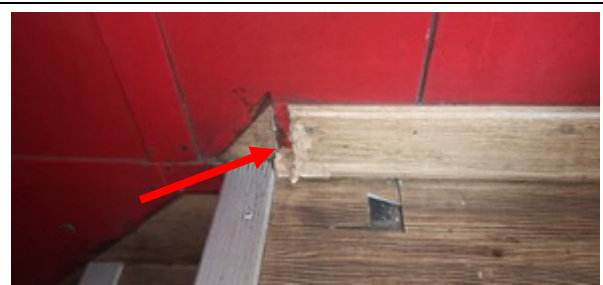
40 (Close shot)



40 (Perspective)



41 (Close shot)



41 (Perspective)



V-42 (Close shot)



V-42 (Perspective)



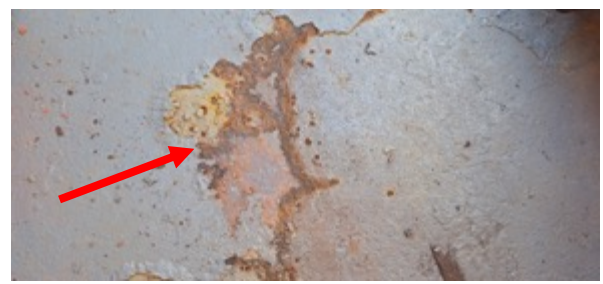
43 (Close shot)



43 (Perspective)



44 (Close shot)



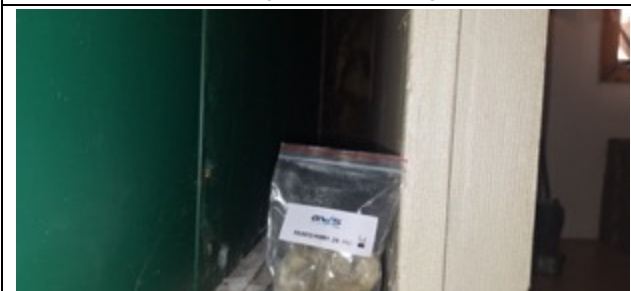
44 (Perspective)



45 (Close shot)



45 (Perspective)



46 (Close shot)



46 (Perspective)



47 (Close shot)



47 (Perspective)



48 (Close shot)



48 (Perspective)



49 (Close shot)



49 (Perspective)



50 (Close shot)



50 (Perspective)



51 (Close shot)



51 (Perspective)



52 (Close shot)



52 (Perspective)



53 (Close shot)



53 (Perspective)



54 (Close shot)



54 (Perspective)



55 (Close shot)



55 (Perspective)



56 (Close shot)



56 (Perspective)



57 (Close shot)



57 (Perspective)



58 (Close shot)



58 (Perspective)



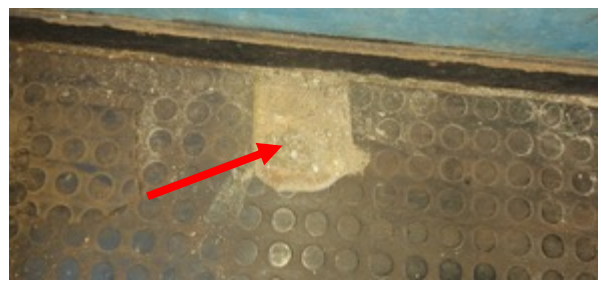
59 (Close shot)



59 (Perspective)



60 (Close shot)



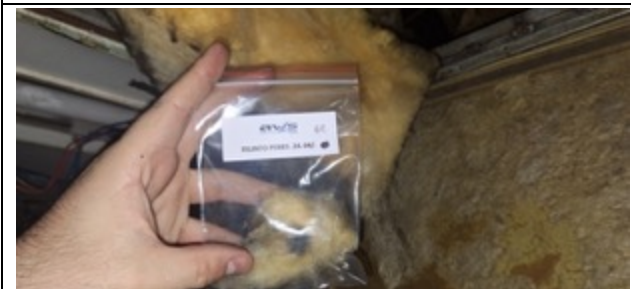
60 (Perspective)



61 (Close shot)



61 (Perspective)



62 (Close shot)



62 (Perspective)



63 (Close shot)



63 (Perspective)



64 (Close shot)



64 (Perspective)



65 (Close shot)



65 (Perspective)



66 (Close shot)



66 (Perspective)



67 (Close shot)



67 (Perspective)



68 (Close shot)



68 (Perspective)



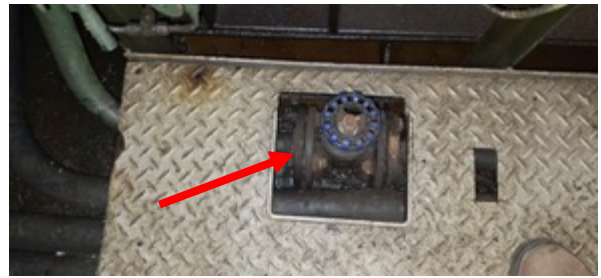
69 (Close shot)



69 (Perspective)



70 (Close shot)



70 (Perspective)



71 (Close shot)



71 (Perspective)



72 (Close shot)



72 (Perspective)



73 (Close shot)



73 (Perspective)



74 (Close shot)



74 (Perspective)



75 (Close shot)



75 (Perspective)



76 (Close shot)



76 (Perspective)



77 (Close shot)



77 (Perspective)



78 (Close shot)



78 (Perspective)



79 (Close shot)



79 (Perspective)



80 (Close shot)



80 (Perspective)



81 (Close shot)



81 (Perspective)



82 (Close shot)



(Perspective)



83 (Close shot)



83 (Perspective)



84 (Close shot)



84 (Perspective)



85 (Close shot)



85 (Perspective)



86 (Close shot)



86 (Perspective)



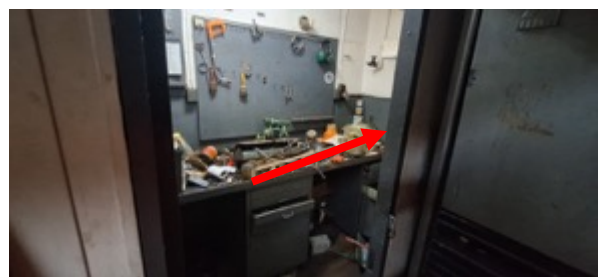
87 (Close shot)



87 (Perspective)



88 (Close shot)



88 (Perspective)



89 (Close shot)



89 (Perspective)



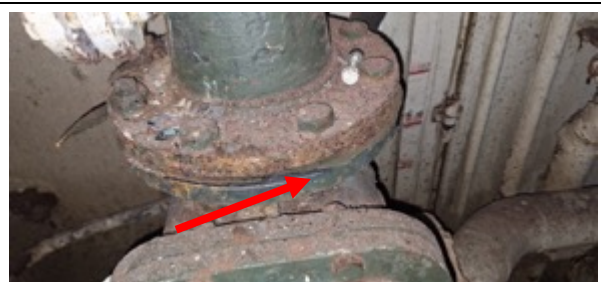
90 (Close shot)



90 (Perspective)



91 (Close shot)



91 (Perspective)



92 (Close shot)



92 (Perspective)



93 (Close shot)



93 (Perspective)



94 (Close shot)



94 (Perspective)



95 (Close shot)



95 (Perspective)



96 (Close shot)



96 (Perspective)



97 (Close shot)



97 (Perspective)



98 (Close shot)



98 (Perspective)



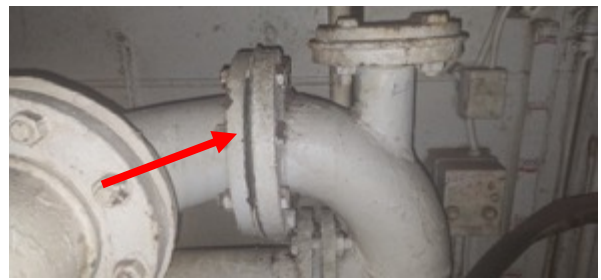
99 (Close shot)



99 (Perspective)



100 (Close shot)



100 (Perspective)



101 (Close shot)



101 (Perspective)



102 (Close shot)



102 (Perspective)



103 (Close shot)



103 (Perspective)



104 (Close shot)



104 (Perspective)



105 (Close shot)



105 (Perspective)



106 (Close shot)



106 (Perspective)



107 (Close shot)



107 (Perspective)



108 (Close shot)



108 (Perspective)



109 (Close shot)



109 (Perspective)



110 (Close shot)



110 (Perspective)



111 (Close shot)



111 (Perspective)



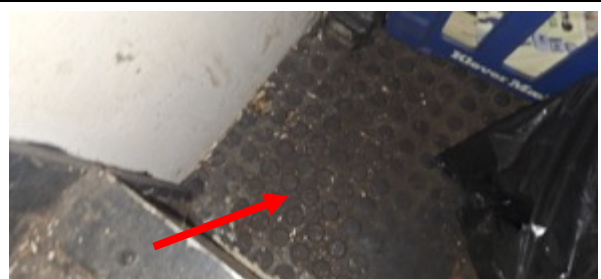
112 (Close shot)



112 (Perspective)



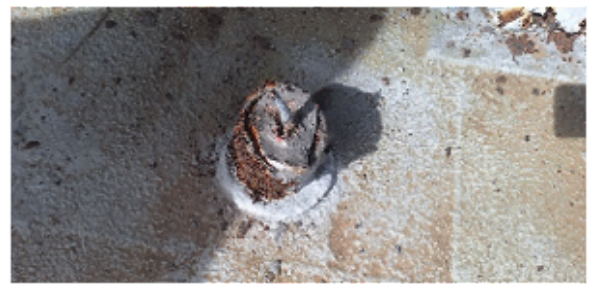
113 (Close shot)



113 (Perspective)



114 (Close shot)



114 (Perspective)



115 (Close shot)



115 (Perspective)



116 (Close shot)



116 (Perspective)



117 (Close shot)



117 (Perspective)



118 (Close shot)



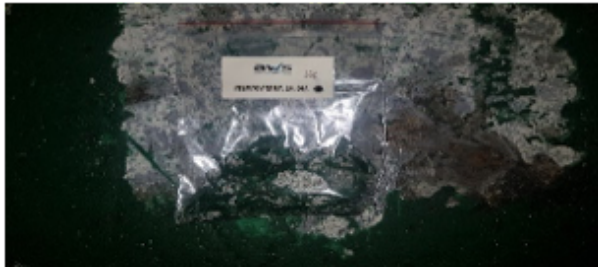
118 (Perspective)



119 (Close shot)



119 (Perspective)



120 (Close shot)



120 (Perspective)



121 (Close shot)



121 (Perspective)



122 (Close shot)



122 (Perspective)



123 (Close shot)



123 (Perspective)



124 (Close shot)



124 (Perspective)



125 (Close shot)



125 (Perspective)



126 (Close shot)



126 (Perspective)



127 (Close shot)



127 (Perspective)



V-79 (Close shot)



V-79 (Perspective)



V-111 (Close shot)



V-111 (Perspective)



V-114 (Close shot)



V-114 (Perspective)



A.01 (Close shot)



A.01 (Perspective)



A.02 (Close shot)



A.02 (Perspective)



A.03 (Close shot)



A.03 (Perspective)



A.04 (Close shot)



A.04 (Perspective)



A.05 (Close shot)



A.05 (Perspective)



A.06 (Close shot)



A.06 (Perspective)



(Close shot)



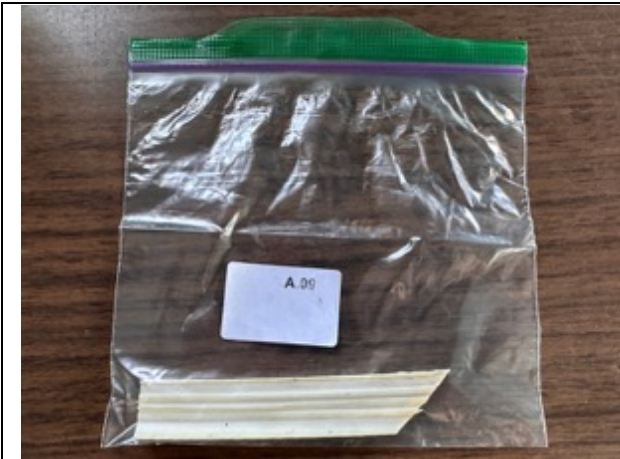
(Perspective)



A.08 (Close shot)



A.08 (Perspective)



A.09 (Close shot)



A.09 (Perspective)



A.10 (Close shot)



A.10 (Perspective)



A.11 (Close shot)



A.11 (Perspective)



A.12 (Close shot)



A.12 (Perspective)



A.13 (Close shot)



A.13 (Perspective)



A.14 (Close shot)



A.14 (Perspective)



A.15 (Close shot)



A.15 (Perspective)



A.16 (Close shot)



A.16 (Perspective)



A.17 (Close shot)



A.17 (Perspective)



A.18 (Close shot)



A.18 (Perspective)



A.19 (Close shot)



A.19 (Perspective)



A.20 (Close shot)



A.20 (Perspective)



A.21 (Close shot)



A.21 (Perspective)



A.22 (Close shot)



A.22 (Perspective)



A.23 (Close shot)



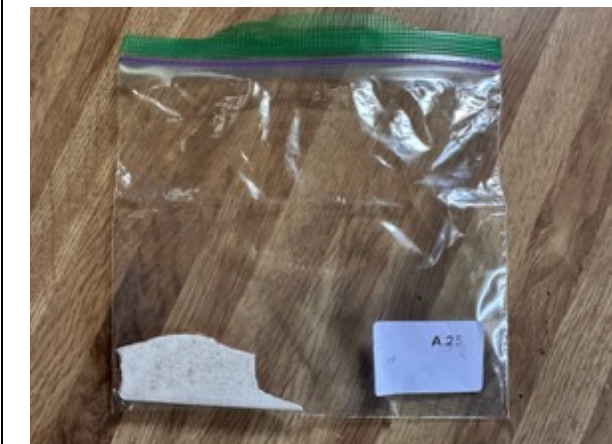
A.23 (Perspective)



A.24 (Close shot)



A.24 (Perspective)



A.25 (Close shot)



A.25 (Perspective)



A.26 (Close shot)



A.26 (Perspective)



A.27 (Close shot)



A.27 (Perspective)



A.28 (Close shot)



A.28 (Perspective)



A.29 (Close shot)



A.29 (Perspective)



A.30 (Close shot)



A.30 (Perspective)



A.31 (Close shot)



A.31 (Perspective)



A.32 (Close shot)



A.32 (Perspective)



A.33 (Close shot)



A.33 (Perspective)



A.34 (Close shot)



A.34 (Perspective)



A.35 (Close shot)



A.35 (Perspective)



A.36 (Close shot)



(Perspective)



A.37 (Close shot)



A.37 (Perspective)



A.38 (Close shot)



A.38 (Perspective)



A.39 (Close shot)



A.39 (Perspective)



A.40 (Close shot)



A.40 (Perspective)



A.41 (Close shot)



A.41 (Perspective)



A.42 (Close shot)



A.42 (Perspective)



A.43 (Close shot)



A.43 (Perspective)



A.44 (Close shot)



A.44 (Perspective)



A.45 (Close shot)



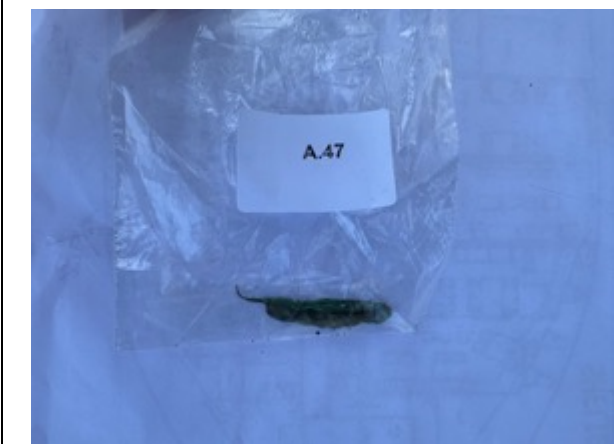
A.45 (Perspective)



A.46 (Close shot)



A.46 (Perspective)



A.47 (Close shot)



A.47 (Perspective)



A.48 (Close shot)



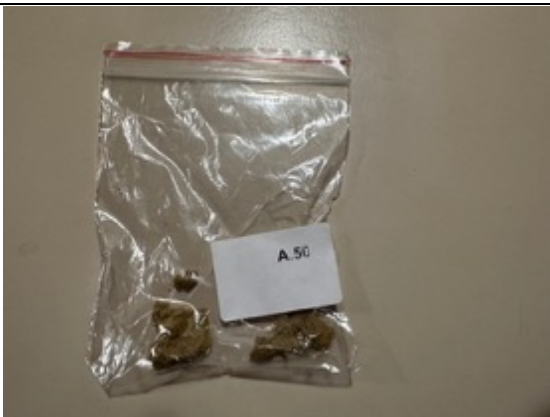
(Perspective)



A.49 (Close shot)



A.49 (Perspective)



A.50 (Close shot)



A.50 (Perspective)



A.51 (Close shot)



A.51 (Perspective)



A.52 (Close shot)



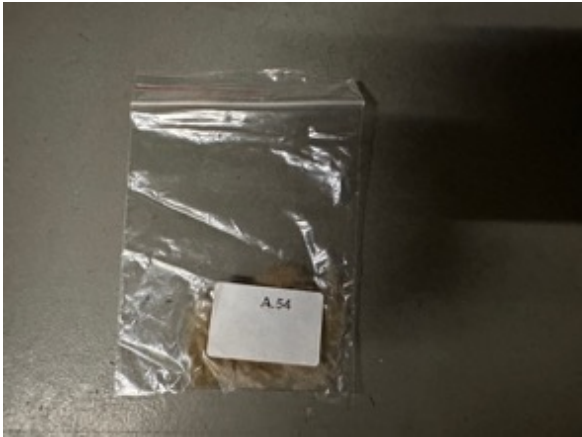
A.52 (Perspective)



A.53 (Close shot)



A.53 (Perspective)



A.54 (Close shot)



A.54 (Perspective)



A.55 (Close shot)



A.55 (Perspective)



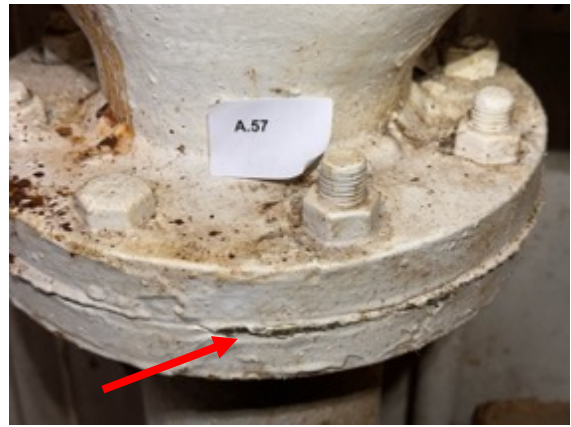
A.56 (Close shot)



A.56 (Perspective)



A.57 (Close shot)



A.57 (Perspective)



A.58 (Close shot)



A.58 (Perspective)



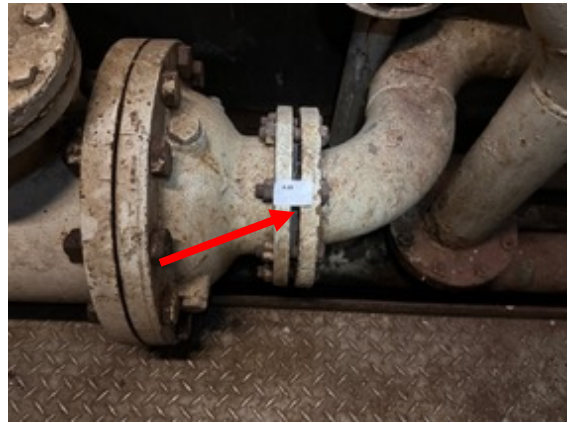
A.59 (Close shot)



A.59 (Perspective)



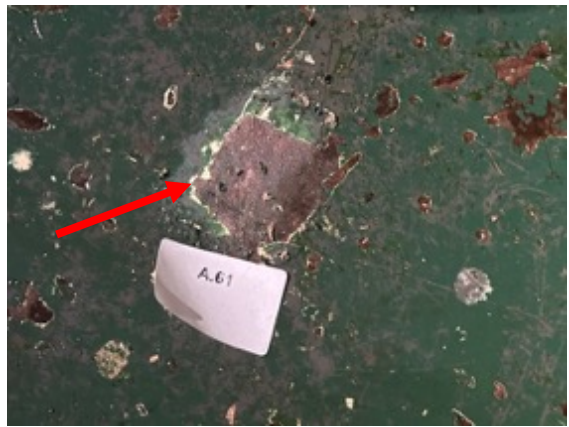
A.60 (Close shot)



A.60 (Perspective)



A.61 (Close shot)



A.61 (Perspective)



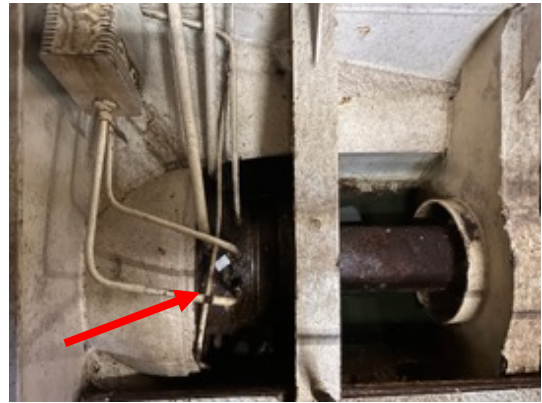
A.62 (Close shot)



A.62 (Perspective)



A.63 (Close shot)



A.63 (Perspective)



A.64 (Close shot)



A.64 (Perspective)



A.65 (Close shot)



A.65 (Perspective)



A.66 (Close shot)



A.66 (Perspective)



A.67 (Close shot)



A.67 (Perspective)



A.68 (Close shot)



A.68 (Perspective)



A.69 (Close shot)



A.69 (Perspective)



B.04 (Close shot)



B.04 (Perspective)



B.16 (Close shot)



B.16 (Perspective)



B.18 (Close shot)



B.18 (Perspective)



B.19 (Close shot)



B.19 (Perspective)

Appendix 4

Supporting Documentation

NSS FELINTO PERRY

(IMO No.N/A)

1. [DOCUMENT FOR SMOKER DETECTORS ONBOARD
2. PRODUCT DATASHEET FOR BATTERIES

DOCUMENT FOR SMOKER DETECTORS ONBOARD



-Photoelectric smoke detector

PRODUCT DATASHEET FOR BATTERIES

]



Muito mais energia para ficar muito mais tempo na estrada. A Moura desenvolve produtos líderes de mercado, levando energia, qualidade e inovação para atender às maiores exigências da indústria. Com uma trajetória iniciada há mais de 60 anos, hoje a empresa tem uma capacidade de produção superior a 10 milhões de baterias por ano.

Atualmente, o Grupo Moura conta com 6 fábricas no Brasil e uma na Argentina, além de um centro técnico logístico avançado. É a maior fornecedora de baterias automotivas da América do Sul, tendo acumulado prêmios internacionais de qualidade das montadoras MAN, Iveco, Fiat, Ford, GM, Mercedes-Benz e Volkswagen. Além disso, a Moura recicla 100% da produção, ou seja, para cada bateria que sai da fábrica, uma é reciclada.

Entenda porque a bateria Moura é a solução mais moderna e durável para sua frota.

- Liga anticorrosão. Muito mais durabilidade.
- Elementos blindados, fibras laminadas e flexíveis, suporte de compressão, adesivo de sustentação que suporta vibrações, garantindo mais integridade e vida útil.
- Camada extra de proteção. Maior aderência do material ativo à grade, mais resistência às vibrações.
- Aditivo de carbono. Reduz a resistência à recarga.



Especificações da linha de **Baterias Pesadas**

MODELOS	CAPACIDADE NOMINAL C20 (Ah)	RC (min)	CCA: (A)	PESO (kg)	COMP.(mm)	LARG.(mm)	ALT.(mm)	POLARIDADE
M80CD	80	120	650	20,50	314	174	190	DIREITO
M80RD	80	120	600	20,20	260	172	225	DIREITO
M80RE	80	120	600	20,20	260	172	225	ESQUERDO
M90TD	90	160	700	23,00	306	172	230	DIREITO
M90TE	90	160	700	23,00	306	172	230	ESQUERDO
M95QD	95	150	700	22,94	356	172	190	DIREITO
M100HE	100	150	700	25,60	330	172	244	ESQUERDO
M100QD	100	150	760	24,10	356	172	190	DIREITO
M135BD	135	200	850	38,80	512	211	233	DIREITO
M150BD	150	230	900	40,10	512	211	233	DIREITO
M180BD	180	260	950	43,20	512	211	233	DIREITO
M180BE	180	260	950	43,20	512	211	223	ESQUERDO
M220PD	220	450	1150	57,50	516	272	238	DIREITO
M220PE	220	450	1150	57,50	516	272	238	ESQUERDO

Valores sujeitos a variação de +/- 5% conforme norma ABNT 15940. As especificações técnicas e a linha de produtos acima poderão ser alteradas sem prévio aviso.

Aplicações



Ônibus, Caminhões, Tratores, Máquinas agrícolas, Empilhadeiras a diesel.

Appendix 5



Laboratory Test Reports

NSS FELINTO PERRY

(IMO No.N/A)

INCOMAR INSPECTION EXPERTISE SERVICES CO.LTD.

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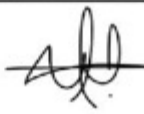



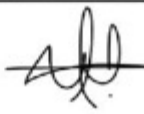



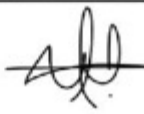

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<p>FELINTO PERRY</p> <p>Name of the Ship of Interest / Company Name : INCOMAR GÖZETİM EKSP HİZ. LTD. ŞTİ.</p> <p>Report Number : YB-24-EHM-07</p> <p>The Date of Sampling / Sample Type : -/-</p> <p>Samples Received On : 06.05.2024</p> <p>Date of Analysis : 13.06.2024</p> <p>Descriptions : After the first acceptance, 69 samples were added on 03.06.2024. Codes starting with A have been assigned.</p> <p><i>Yeşil Beyaz Kalite ve Çevre Analiz Laboratuvarı Tic. Ltd. Şti accredited by TÜRKAK under registration number AB-0220-T for TS EN ISO/IEC 17025 as test laboratory.</i></p> <p><i>Turkish Accreditation Agency (TÜRKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports</i></p> <p><i>Analysis and / or measurement results, extended measurement uncertainties (if any) and analysis methods are integral parts of this report and they are available in the following pages part of this report.</i></p> <table border="1"><thead><tr><th>Seal/Stamp</th><th>Analyst</th><th>Reporter/ İHM Expert</th><th>Administrative Manager</th></tr></thead><tbody><tr><td></td><td>Gökay GEZİCİOĞLU </td><td>Eyup Cihan SALUGU </td><td>Melek KAPLAN </td></tr></tbody></table> <p>This report with the report number YB-24-EHM-07 which was issued on 13.06.2024 is fully copyrighted and it cannot be copied without the consent of YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARI TİC. LTD. ŞTİ. and INCOMAR GÖZETİM EKSP. HİZ. LTD. ŞTİ. Unsigned and unsealed reports are invalid. The measurement results only concern the process conditions during the measurement and the sample which are analyzed.</p>			Seal/Stamp	Analyst	Reporter/ İHM Expert	Administrative Manager		Gökay GEZİCİOĞLU 	Eyup Cihan SALUGU 	Melek KAPLAN 
Seal/Stamp	Analyst	Reporter/ İHM Expert	Administrative Manager							
	Gökay GEZİCİOĞLU 	Eyup Cihan SALUGU 	Melek KAPLAN 							
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 <p>YEŞİL BEYAZ</p>	<p>YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUARI TİC. LTD. ŞTİ. HAZARDOUS MATERIALS ANALYSES REPORT</p>	AB-0220-T
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1. TEST METHODS and LIMIT VALUES

Following parameters analyzed based on the Hong Kong International Convention for the Safe and Environmentally Sound Recycling of Ships, 2009 (the Hong Kong Convention) by International Maritime Organization (IMO), and the 2015 Guidelines for the Development of the Inventory of Hazardous Materials (MEPC.379(80)) by Marine Environment Protection Committee, EU Regulation 1257/2013 on ship recycling, EMSA's Best Practice Guidance on the Inventory of Hazardous Materials and according to the customer's request.

		Parameters	Used Standard(s)	Instrument	Limit Values
ANNEX I	TABLE A	<input checked="" type="checkbox"/> Asbestos	ISO 22262-1:2012	PLM Stereo Mic.	0,1%
		<input checked="" type="checkbox"/> PCBs	EPA 3550C:2007 & EPA 8270D:2014	GC-MS	50 mg/Kg
		<input checked="" type="checkbox"/> ODS	EPA 5021A:2014 & EPA8260C:2006	GC-MS	-
		<input type="checkbox"/> TBTs	In-house method SM068 based on USEPA 3050B ICPOES	ICP-OES	2500 mg/Kg
ANNEX II	TABLE B	<input checked="" type="checkbox"/> PFOS	EPA 3550C:2007 & EPA8321B:2007	HPLC	10 mg/Kg
		<input checked="" type="checkbox"/> Cd	IEC 62321-5: 2013 Ed 1.0	ICP-OES	100 mg/Kg
		<input checked="" type="checkbox"/> Cr (VI)	IEC 62321-7-2:2017 Ed. 1.0	UV-VIS	1000 mg/Kg
		<input checked="" type="checkbox"/> Pb	IEC 62321-5: 2013 Ed 1.0	ICP-OES	1000 mg/Kg
		<input checked="" type="checkbox"/> Hg	IEC 62321-4: 2013 Ed 1.0 +AMD1:2017	ICP-OES	1000 mg/Kg
		<input checked="" type="checkbox"/> PBB	IEC 62321-6: 2015 Ed 1.0	GC-MS	50 mg/Kg
		<input checked="" type="checkbox"/> PBDE	IEC 62321-6: 2015 Ed 1.0	GC-MS	1000 mg/Kg
		<input checked="" type="checkbox"/> PCN	EPA 8081B:2007	GC-MS	50 mg/Kg
		<input checked="" type="checkbox"/> CSCCP	EPA 3540C:1996 & EPA 8270D:2014	GC-MS	1 %
		<input checked="" type="checkbox"/> HBCDD	EPA 3540C:1996 & EPA 8270D:2014	GC-MS	100 mg/Kg

- ✓ When a declaration of conformity (either fit or not) is given regarding the test results, the measurement uncertainty value is evaluated according to the 'Shared Risk Rule' and the results are reported as they are, without evaluating the confidence level and measurement uncertainty. Other requests must be reported to Yeşil Beyaz Quality and Environmental Analysis Laboratory.

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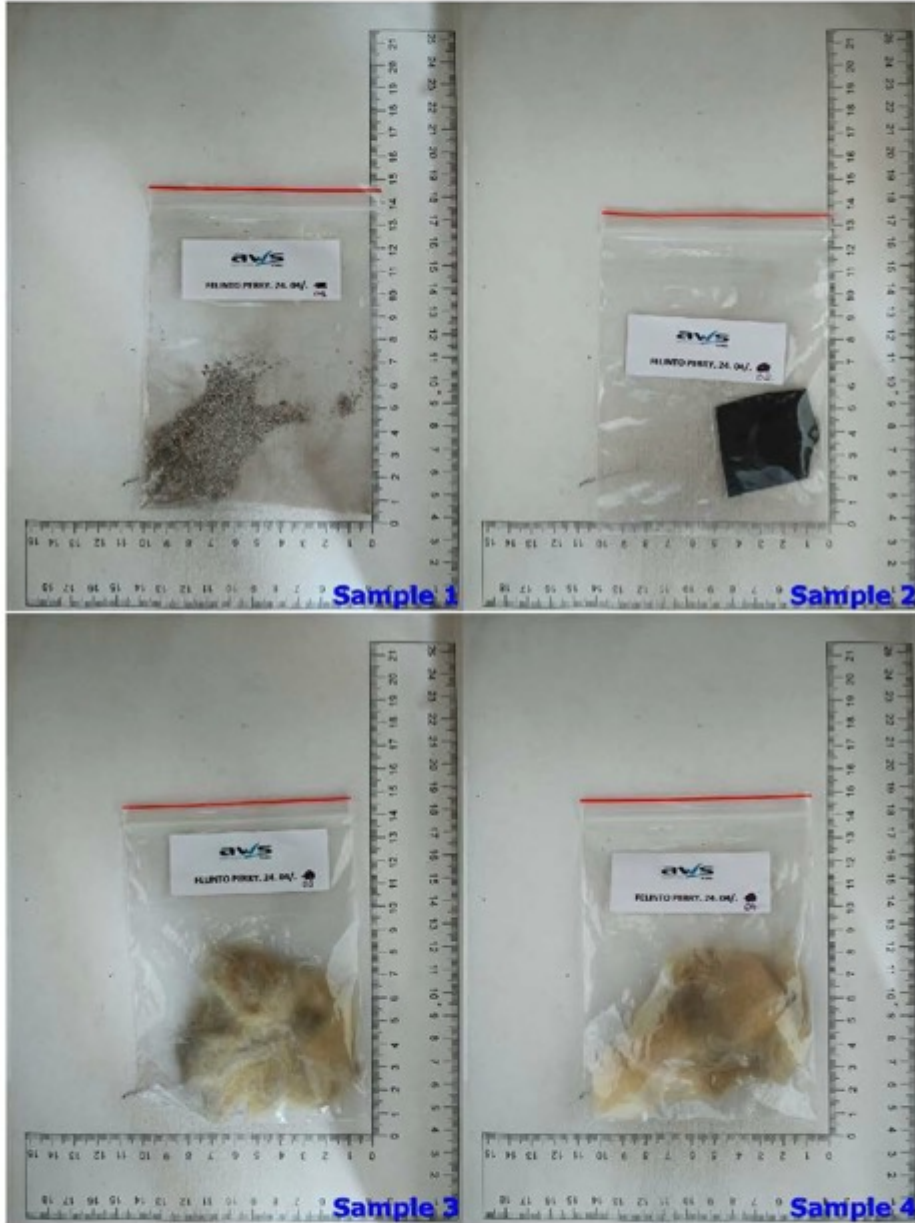
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2. SAMPLE PICTURES

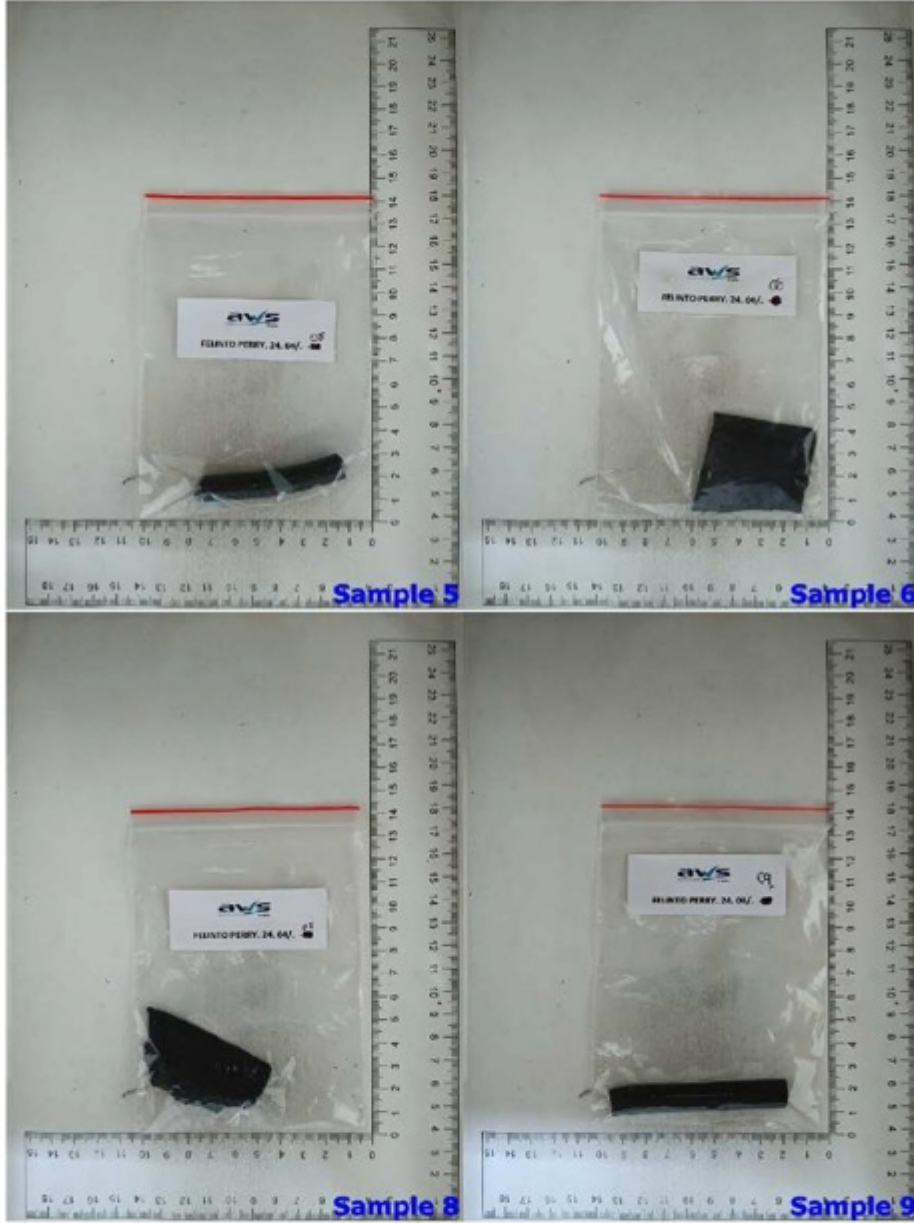


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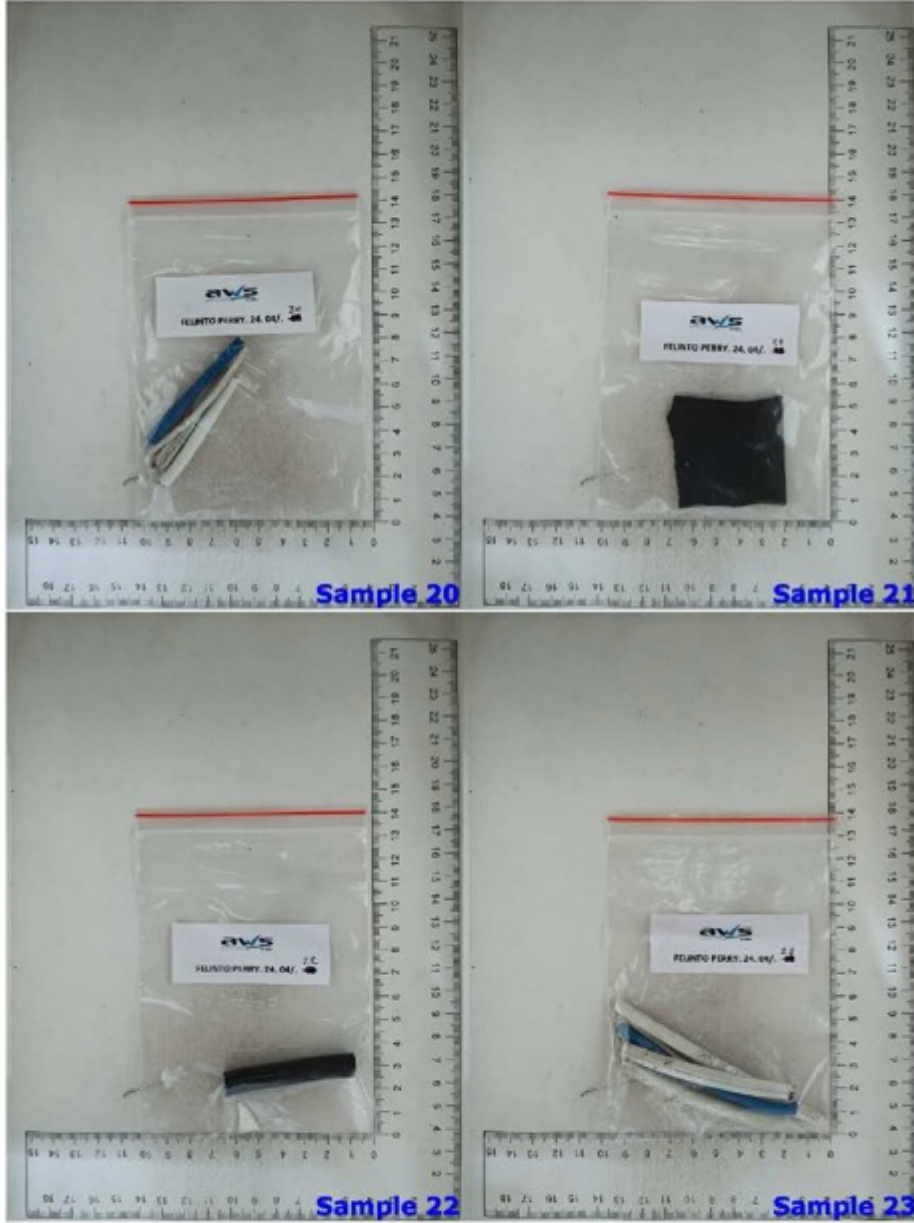
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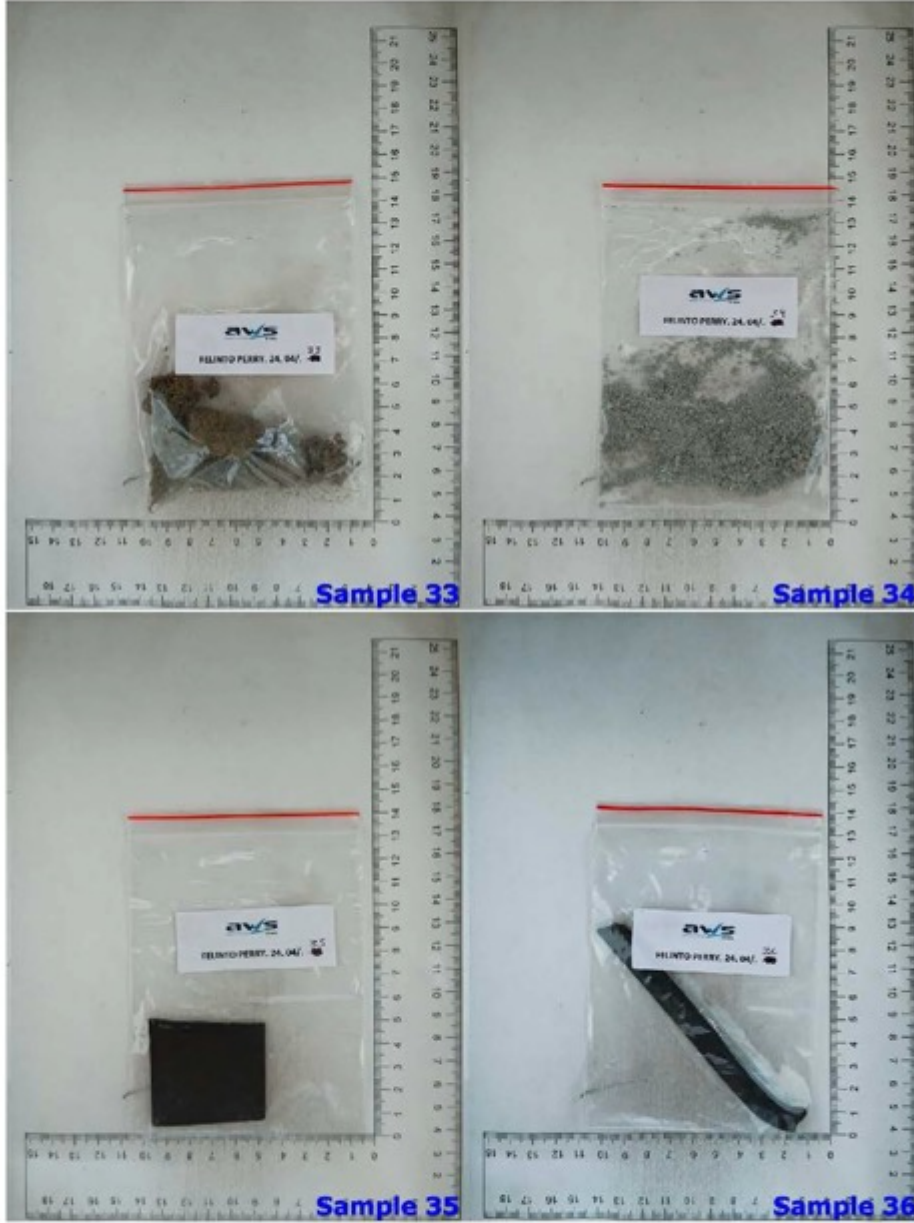
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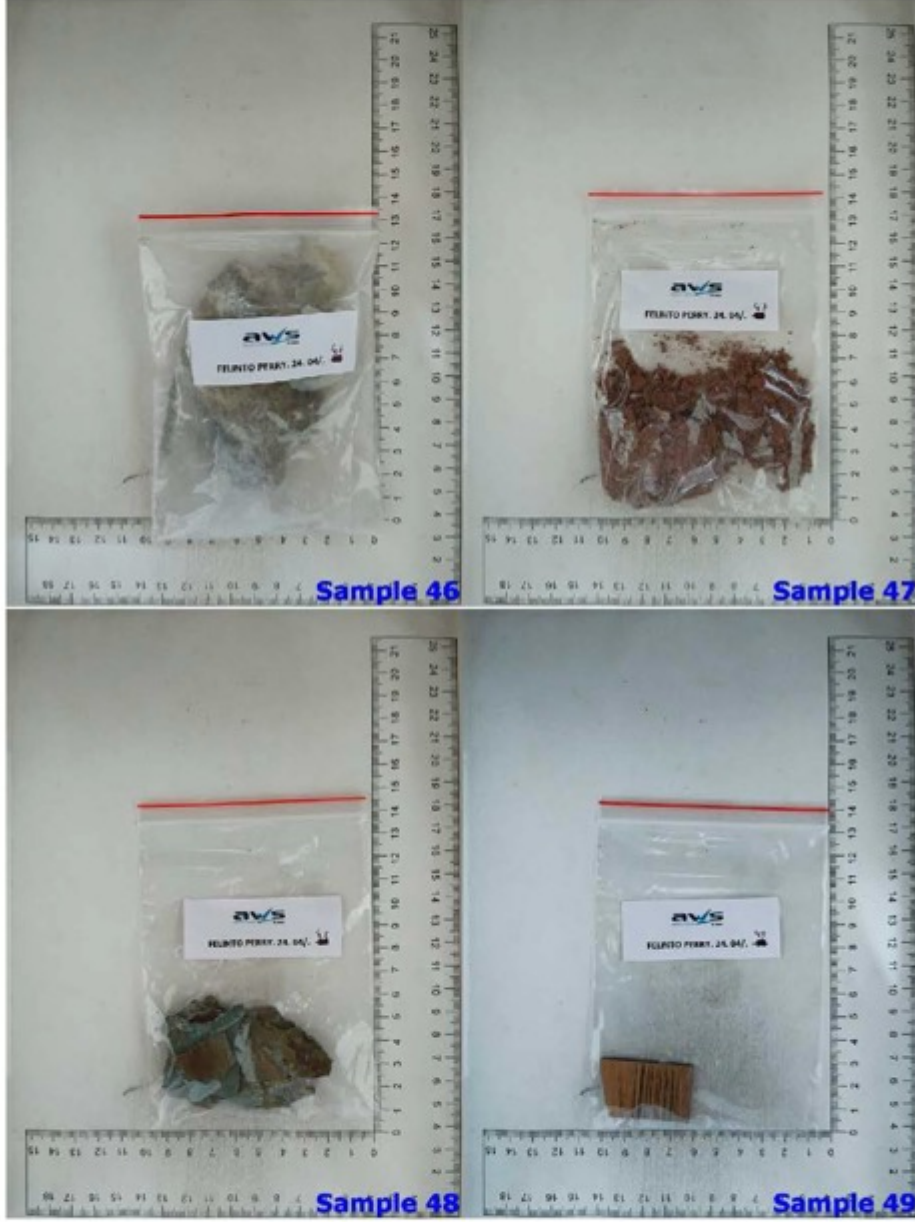
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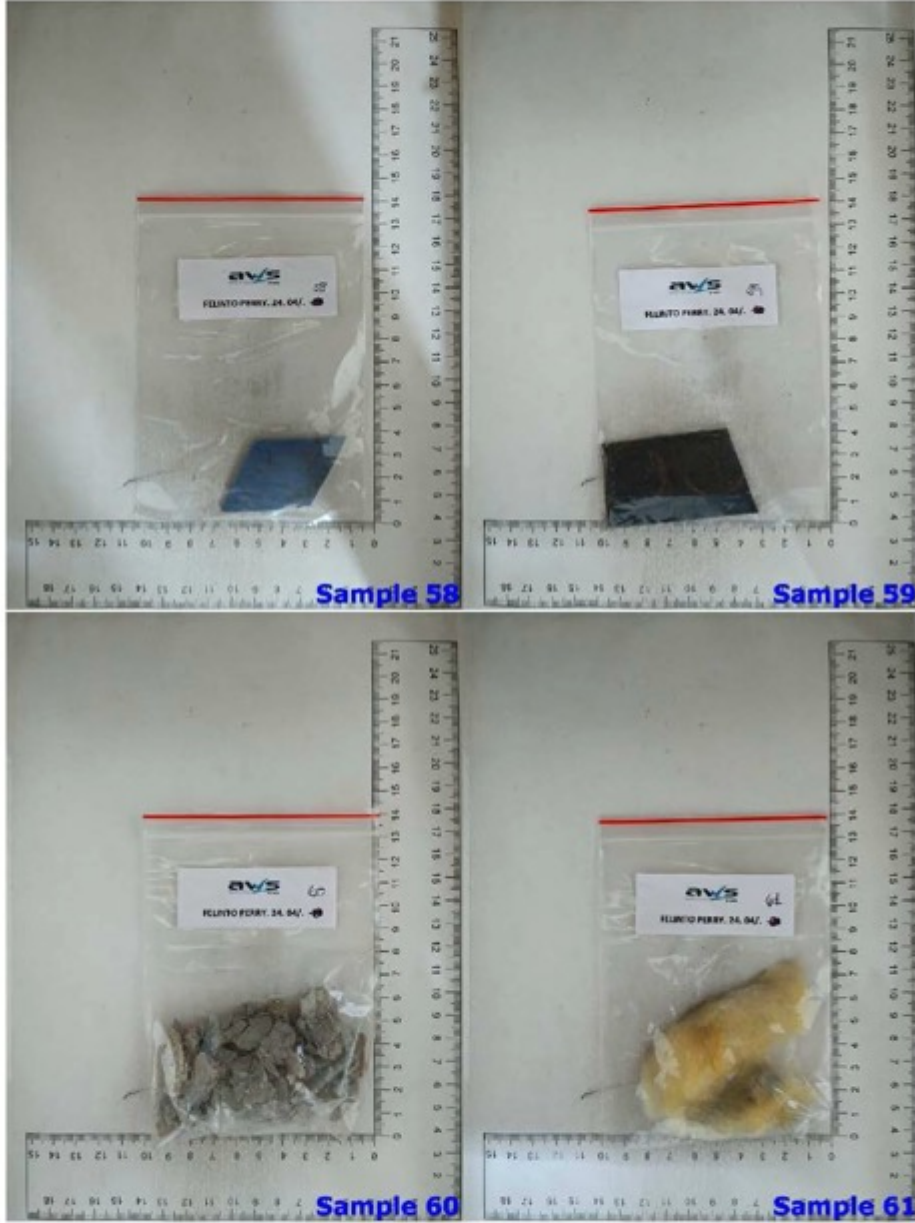


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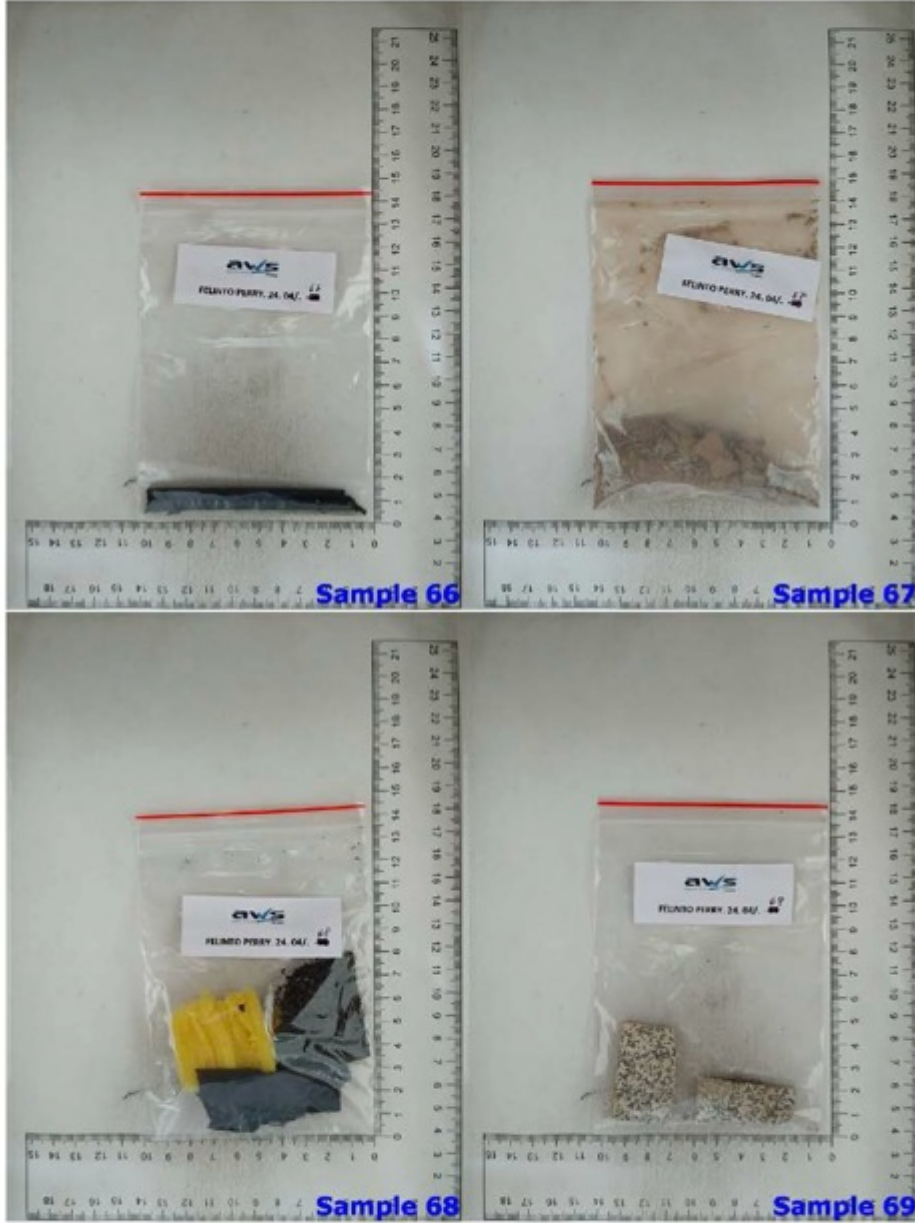


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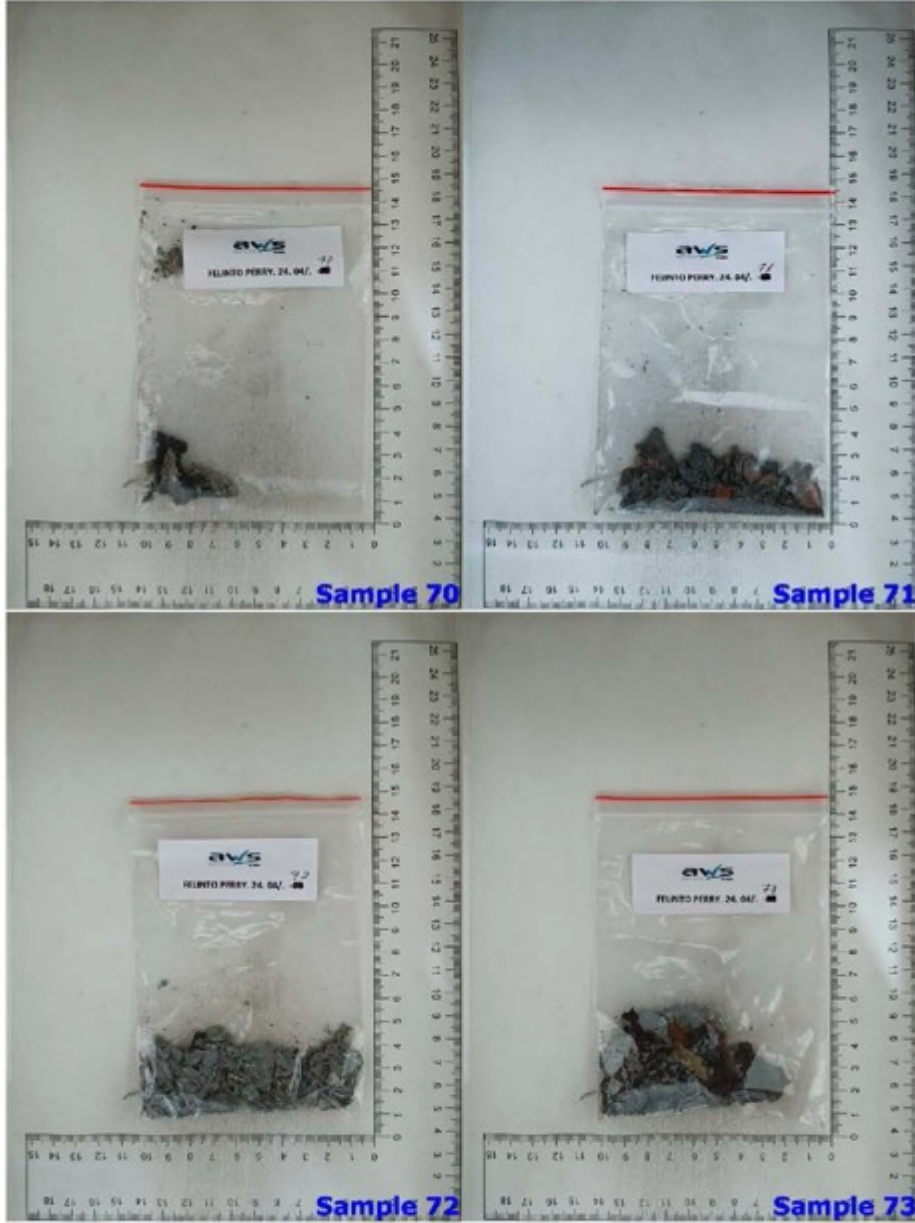


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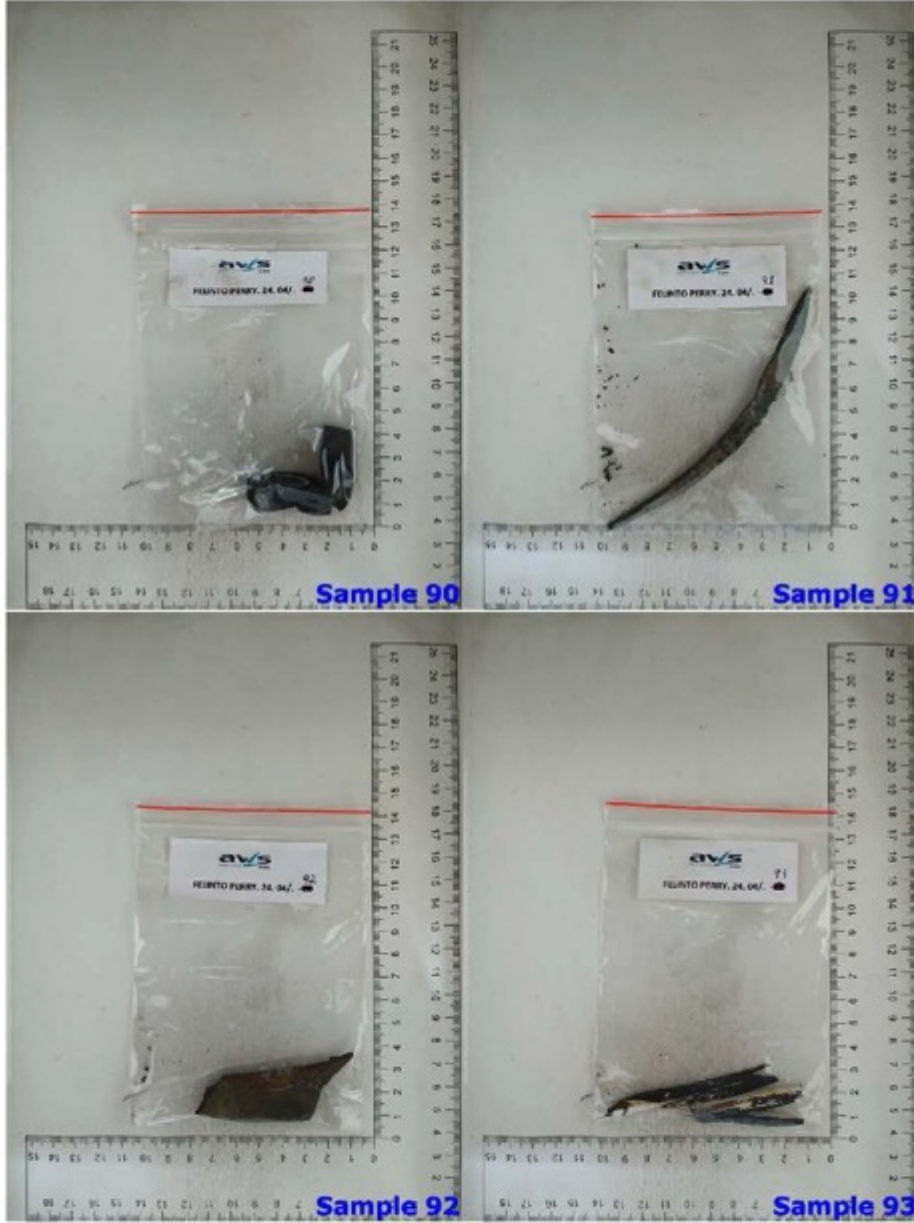


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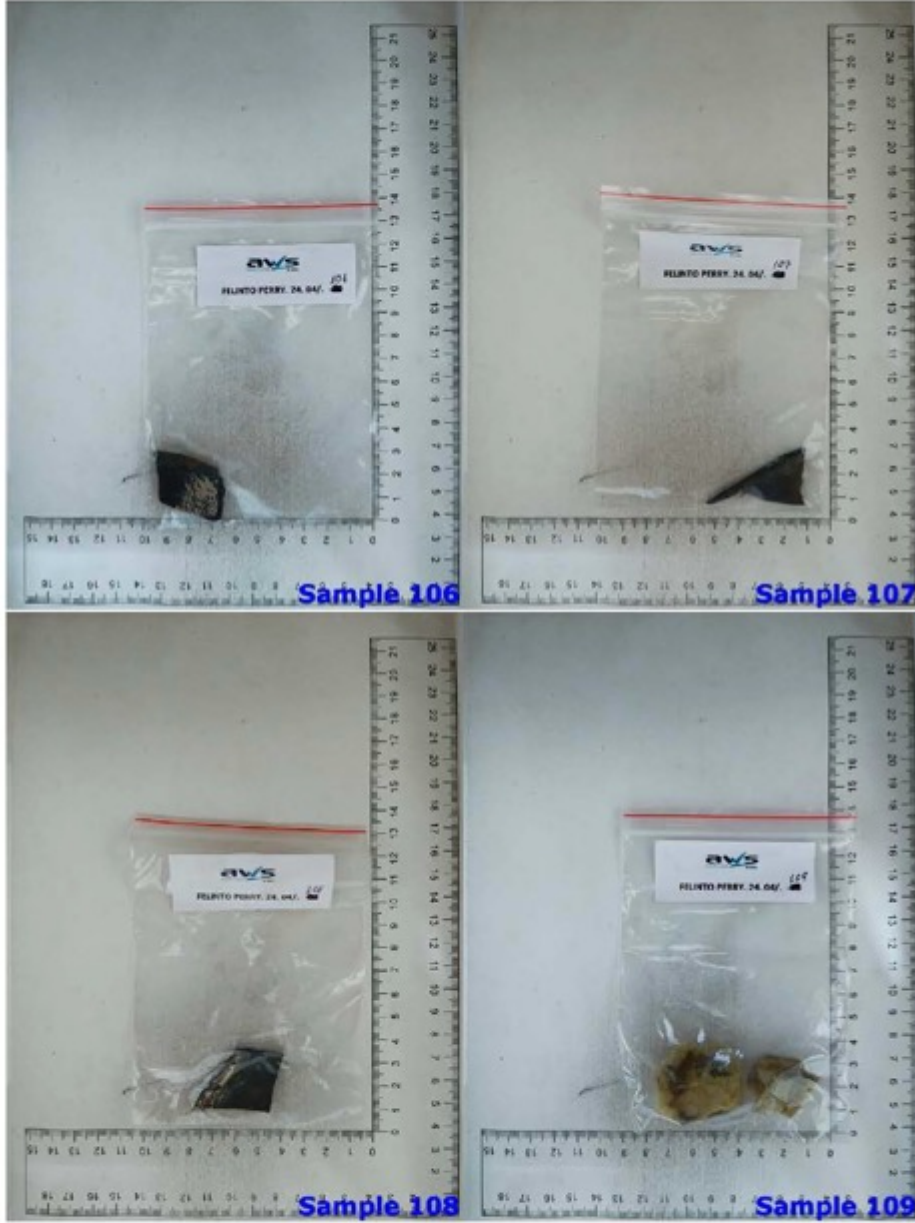
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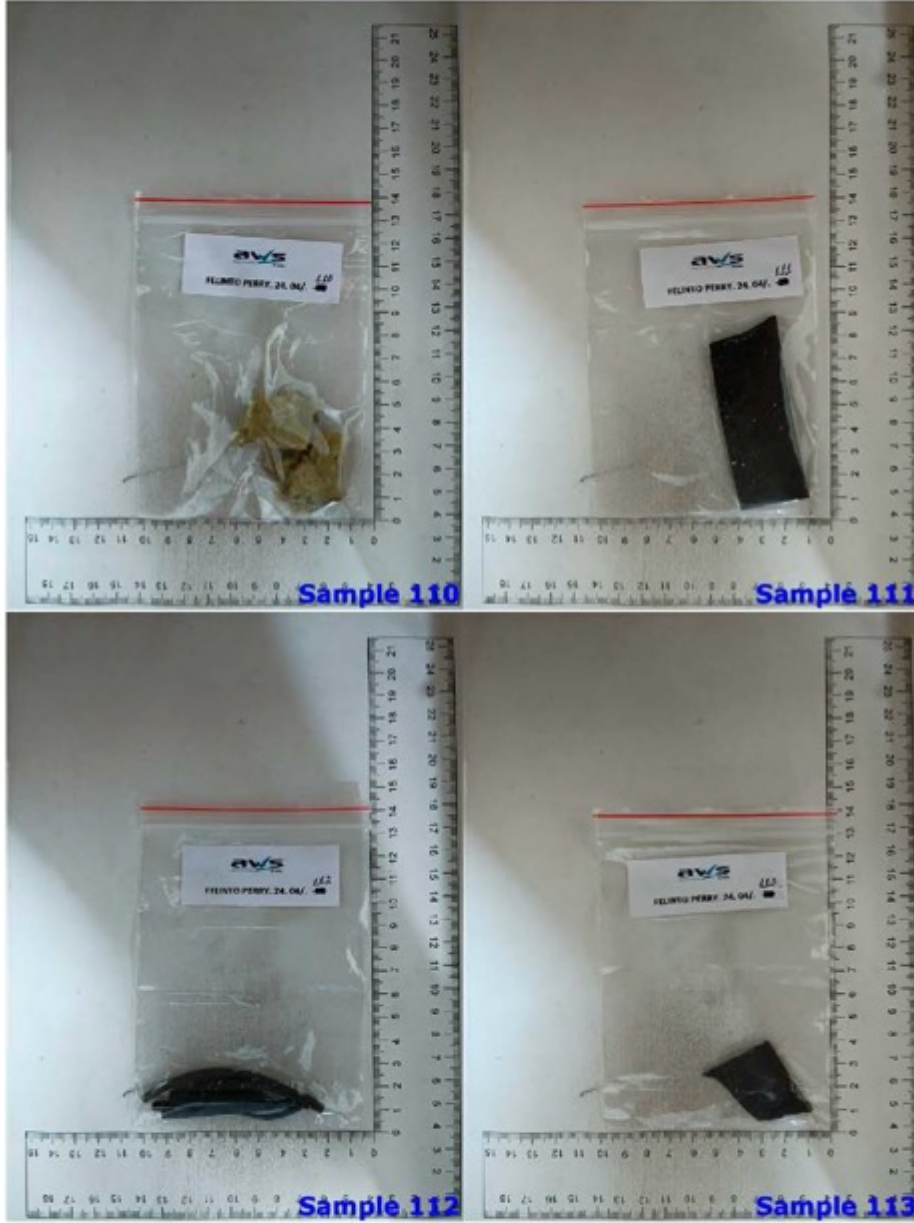


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 YEŞİL BEYAZ	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUARI TİC. LTD. ŞTİ. HAZARDOUS MATERIALS ANALYSES REPORT	AB-0220-T
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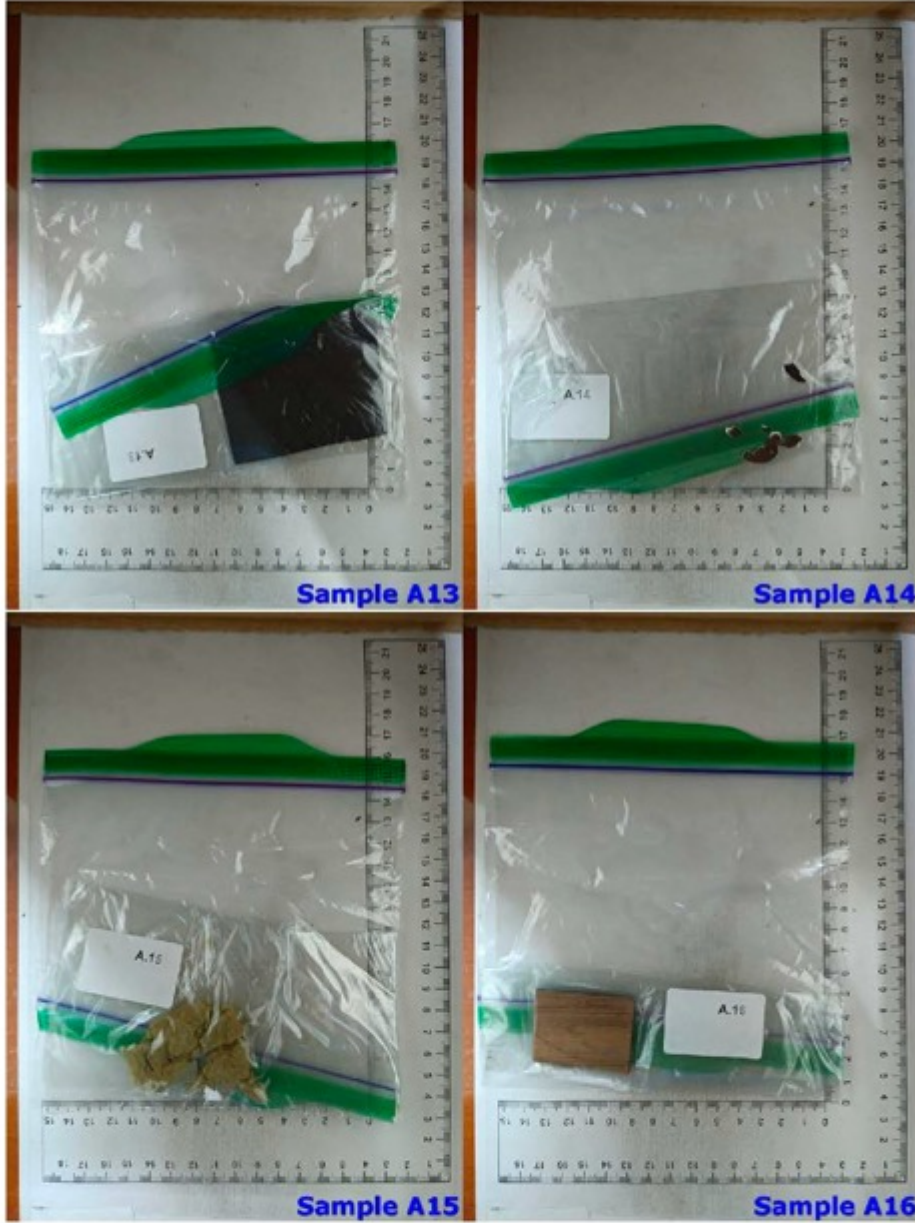
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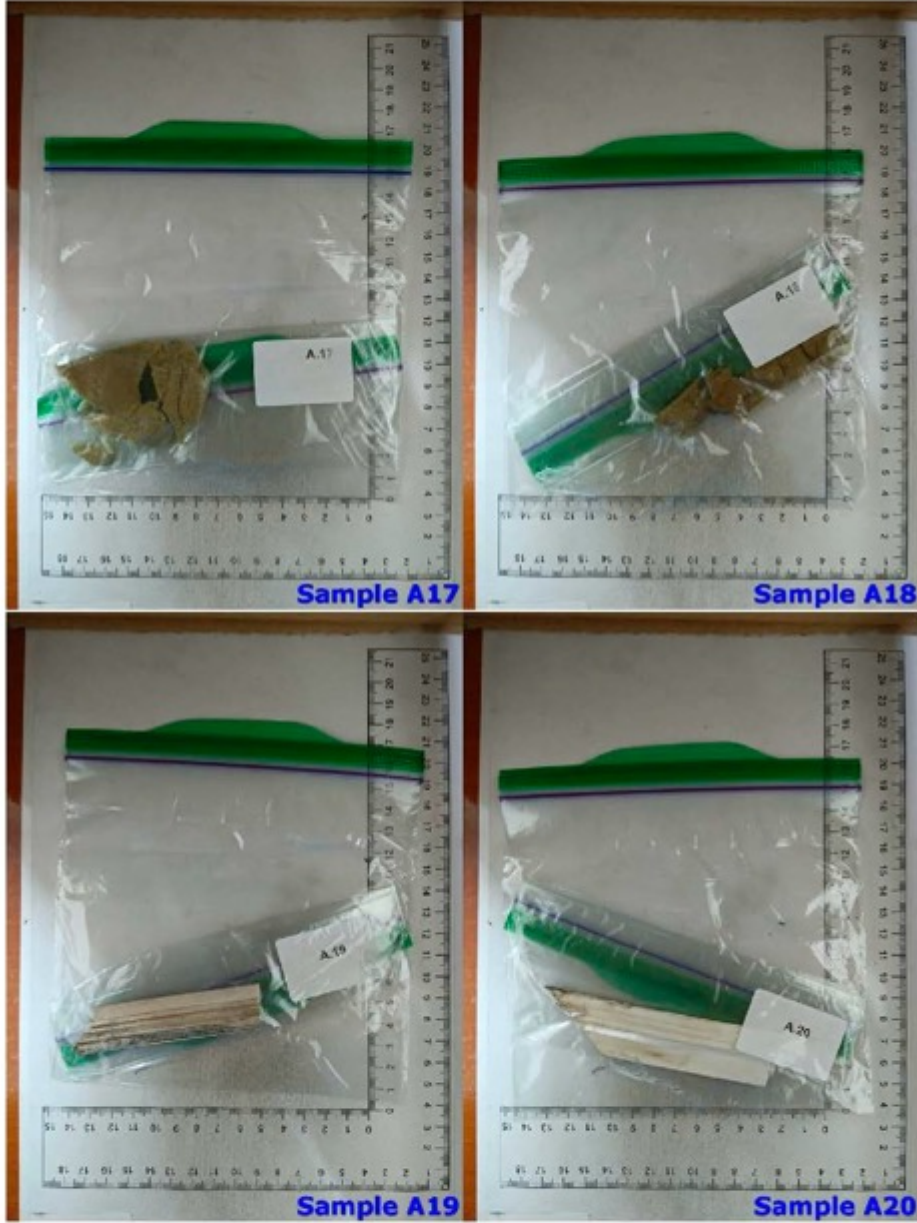
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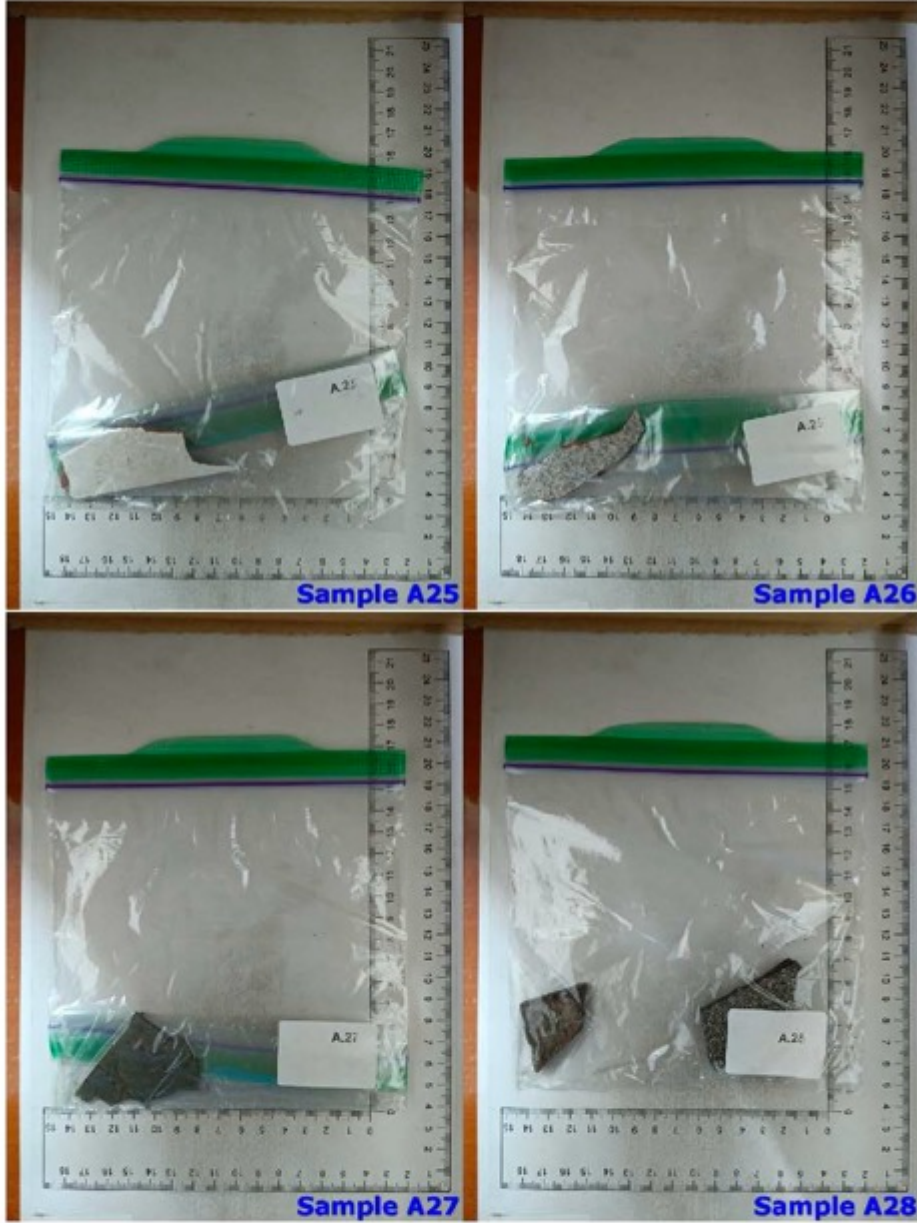
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 YEŞİL BEYAZ	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUARI TİC. LTD. ŞTİ. HAZARDOUS MATERIALS ANALYSES REPORT	AB-0220-T
		YB-24-EHM-07
		06-24

3. SAMPLE LIST and WEIGHING

Sample No	Customer Sample No	Description	Parameters	Weight
1	1	Deck covering- Paint	Asbestos	1,27
2	2	Deck covering- PVC/Rubber	Asbestos	3,12
3	3	Deckhead (wall)- Insulation	Asbestos	0,88
4	4	Deckhead (ceiling)- Insulation	Asbestos	1,03
5	5	Electrical equipment- Cable	Asbestos	8,12
6	5	Electrical equipment- Cable	PCB	3,59
7	6	Deck covering- PVC/Rubber	Asbestos	2,19
8	8	Watertight door- Packing	Asbestos	4,29
9	9	Electrical cabinet- rubber	Asbestos	4,99
10	10	Electrical Cable- Sheath	Asbestos	2,48
11	11	Electrical cabinet- paint	Asbestos	3,58
12	14	Deck covering- Carpet	Asbestos	13,47
13	15	Deck- Paint and coating	Lead and Lead compounds	2,22
14	15	Deck- Paint and coating	PCN	2,18
15	16	Deck covering	Asbestos	6,11
16	17	Electrical cabinet- paint	Asbestos	11,03
17	18	Deck covering	Asbestos	7,86
18	18	Deck covering	PCB	3,74
19	18	Deck covering	PFOS	4,16
20	18	Deck covering	PBB	16,11
21	18	Deck covering	PBDE	2,19
22	18	Deck covering	SCCP	4,84
23	18	Deck covering	HBCCD	3,73
24	19	Deck covering- Cement	Asbestos	5,88

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 YEŞİL BEYAZ <small>YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARI</small>	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARI TİC. LTD. ŞTİ. HAZARDOUS MATERIALS ANALYSES REPORT	AB-0220-T YB-24-EHM-07 06-24
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Sample No	Customer Sample No	Description	Parameters	Weight
25	20	Electrical cable materials- Sheath	Asbestos	8,97
26	20	Electrical cable materials- Sheath	PCB	4,19
27	21	Deck covering	Asbestos	2,17
28	22	Electrical cable materials- Sheath	Asbestos	4,19
29	22	Electrical cable materials- Sheath	PCB	9,17
30	23	Electrical cable materials- Sheath	Asbestos	4,56
31	23	Electrical cable materials- Sheath	PCB	3,2
32	24	wall- Insulation	Asbestos	3,49
33	25	Deck covering- Carpet	Asbestos	2,19
34	26	Deck covering	Asbestos	4,29
35	27	Deck covering- Cement	Asbestos	3,51
36	28	Refrigeration pipe- Lagging material and insulation	Asbestos	3,32
37	29	Refrigeration pipe- Packing	Asbestos	5,19
38	30	Air conditioner unit pipe- lagging	ODS	5,21
39	32	Air conditioner unit pipe- Covering	Asbestos	6,13
40	33	Deck covering- Cement	Asbestos	3,84
41	34	Electrical cabinet-paint	Asbestos	2,18
42	35	Deck covering	Asbestos	5,02
43	36	Electrical cabinet- rubber	Asbestos	5,19
44	37	Deck covering	Asbestos	3,28
45	38	Deck covering- cement	Asbestos	9,11
46	39	Deck covering	Asbestos	4,19
47	40	Deck covering- PVC/Rubber	Asbestos	6,18
48	41	Skirting- PVC/rubber	Asbestos	1,02
49	43	Wall- Paint and coating	Asbestos	4,88

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Sample No	Customer Sample No	Description	Parameters	Weight
50	43	Wall- Paint and coating	PCB	3,74
51	43	Wall- Paint and coating	PFOS	2,84
52	43	Wall- Paint and coating	Cadmium	3,29
53	43	Wall- Paint and coating	Lead and Lead compounds	2,97
54	43	Wall- Paint and coating	Mercury	3,18
55	43	Wall- Paint and coating	HBCCD	14,99
56	44	Deck- Paint and coating	Asbestos	1,07
57	44	Deck- Paint and coating	PCB	0,84
58	44	Deck- Paint and coating	PFOS	3,19
59	44	Deck- Paint and coating	Cadmium	4,22
60	44	Deck- Paint and coating	Lead and Lead compounds	1,94
61	44	Deck- Paint and coating	Mercury	5,19
62	44	Deck- Paint and coating	HBCCD	7,18
63	45	Deck covering	Asbestos	5,17
64	46	Wall- Panel insulation	Asbestos	6,88
65	47	Deck covering	Asbestos	2,48
66	48	Deck covering- PVC	Asbestos	3,48
67	49	Deck covering	Asbestos	6,12
68	50	Deck covering- Tile	Asbestos	5,84
69	51	Deck covering- Cement	Asbestos	5,11
70	52	Ceiling-pipe covering	Asbestos	7,19
71	53	Deckhead (ceiling)- Insulation	Asbestos	4,96
72	54	Deck covering- Carpet	Asbestos	4,51
73	55	Anchor windlass- Brake lining	Asbestos	3,81
74	56	Mooring winch- Brake lining	Asbestos	4,29

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Sample No	Customer Sample No	Description	Parameters	Weight
75	57	Deck covering- paint	Asbestos	2,02
76	57	Deck covering- paint	Lead and Lead Compuonds	4,94
77	57	Deck covering- paint	Cadmium	3,21
78	57	Deck covering- paint	Chrom-6	3,57
79	58	Deck covering- PVC	Asbestos	0,94
80	59	Deck covering- PVC	Asbestos	0,88
81	60	Deck covering- Cement	Asbestos	3,15
82	61	Ceiling- insulation	Asbestos	3,65
83	62	Deckhead (ceiling)- Insulation	Asbestos	4,01
84	63	Bulkhead (wall)- Panel	Asbestos	1,29
85	64	Deck covering- Cement	Asbestos	3,47
86	65	Fire door- Insulation	Asbestos	4,18
87	66	Bulkhead (wall)- Panel	ODS	3,58
88	67	Deck covering- Tile	Asbestos	3,2
89	68	Deck covering	Asbestos	3,11
90	69	Deck covering- Tile	Asbestos	4,16
91	70	Drain pipe- Flange gasket	Asbestos	1,31
92	71	Deck- Paint and coating	Asbestos	2,44
93	71	Deck- Paint and coating	Lead and Lead Compuonds	1,61
94	71	Deck- Paint and coating	Cadmium	1,53
95	71	Deck- Paint and coating	Chrom-6	3,75
96	72	Deck crane- Packing	Asbestos	2,98
97	73	Lifeboat davit- Packing	Asbestos	5,1
98	74	Provision crane- Packing	Asbestos	3,66
99	75	Fire hydrant- Packing with valve	Asbestos	2,14

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Sample No	Customer Sample No	Description	Parameters	Weight
100	76	Fire line- Flange gasket	Asbestos	4,81
101	77	Vent pipe- Flange gasket	Asbestos	2,64
102	78	Deck- Paint and coating	Asbestos	2,16
103	78	Deck- Paint and coating	Lead and Lead Compuonds	3,07
104	78	Deck- Paint and coating	Cadmium	1,61
105	78	Deck- Paint and coating	Chrom-6	1,84
106	79	Exhaust gas economizer- Packing with manhole	Asbestos	4,61
107	80	Deck- Paint and coating	Lead and Lead compounds	4,53
108	80	Deck- Paint and coating	PCN	2,48
109	81	Deck covering- PVC	Asbestos	6,84
110	82	Deck covering- Cement	Asbestos	15,99
111	83	Wall- insulation	Asbestos	4,27
112	84	Deckhead (ceiling)- Insulation	Asbestos	68,81
113	85	Deck covering	Asbestos	20,12
114	86	Deck covering- PVC	Asbestos	16,88
115	87	Electrical Cable- Sheath	Asbestos	2,97
116	88	Electrical Switch- Insulation materials	Asbestos	3,53
117	88	Electrical Switch- Insulation materials	PCB	4,16
118	88	Electrical Switch- Insulation materials	HBCCD	4,03
119	89	Main generator engine- Packing with pipe flange	Asbestos	3,84
120	90	Main generator engine- Lagging material turbocharger	Asbestos	5,86
121	91	F.O. Pipe- Flange gasket	Asbestos	4,73
122	92	F.O. Tank- Packing for manhole	Asbestos	12,33
123	93	Air compressor- Packing	Asbestos	54,28
124	94	Wall- Paint and coating	Asbestos	5,02

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Sample No	Customer Sample No	Description	Parameters	Weight
125	94	Wall- Paint and coating	Lead and Lead compounds	3,16
126	94	Wall- Paint and coating	PCN	6,18
127	95	Deck- Paint and coating	Asbestos	23,84
128	95	Deck- Paint and coating	Lead and Lead compounds	4,69
129	95	Deck- Paint and coating	PCN	2,21
130	96	Steering gear unit- Packing	Asbestos	1,54
131	97	Bulkhead (wall)- Insulation	Asbestos	12
132	98	Bulkhead (wall)- Insulation Covering	Asbestos	2,03
133	99	Compressed air pipe- Flange gasket	Asbestos	1,27
134	100	Hot well- Lagging material and insulation	Asbestos	3,12
135	101	Main engine- Lagging material turbocharger	Asbestos	0,88
136	102	Main engine- Packing with pipe flange	Asbestos	1,03
137	103	L.O. Pipe- Flange gasket	Asbestos	8,12
138	104	L.O. Tank- Packing for menhole	Asbestos	3,59
139	105	Sewage Tank- Packing for menhole	Asbestos	2,19
140	106	Water pump- Packing	Asbestos	4,29
141	107	Fresh water pipe- Flange gasket	Asbestos	4,99
142	108	Propeller shafting- Packing with casing	Asbestos	2,48
143	109	Bulkhead (wall)- Insulation	Asbestos	3,58
144	110	F.O. strainer/L.O strainer- Lagging material and insulation	Asbestos	13,47
145	111	Gate valve- Packing with valve	Asbestos	2,22
146	112	Electrical cable materials- Sheath	Asbestos	2,18
147	112	Electrical cable materials- Sheath	PCB	6,11
148	113	Deck covering- Tile	Asbestos	11,03
149	114	cement	Asbestos	7,86

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Sample No	Customer Sample No	Description	Parameters	Weight
150	115	Electrical equipment- Sealing putty	Asbestos	3,74
151	115	Electrical equipment- Sealing putty	PCB	4,16
152	116	F.O. Tank- Lagging material and insulation	Asbestos	16,11
153	117	Electrical bulkhead penetration packing	Asbestos	2,19
154	118	Electrical bulkhead penetration packing	Asbestos	4,84
155	119	Electrical bulkhead penetration packing	Asbestos	3,73
156	120	Paint and coating	Asbestos	5,88
157	120	Paint and coating	Lead and Lead compounds	8,97
158	120	Paint and coating	PCN	4,19
159	121	Boiler- Packing for casing door	Asbestos	2,17
160	122	Hot water tank- Lagging material and insulation	Asbestos	4,19
161	123	Sea water pipe- Flange gasket	Asbestos	9,17
162	124	Condenser- Lagging material and insulation	Asbestos	4,56
163	125	POLYURETHANE FOAM- Packing with casing	PFOS	3,2
164	126	Anti-fouling paint- Paint and coating	Anti-fouling compounds and system	3,49
165	127	FOAM SYSTEM- Packing with casing	PFOS	2,19
158	A.01	Deckhead (ceiling) - Panel Insulation	Asbestos	4,29
159	A.02	Bulkhead (wall) - Panel Insulation	Asbestos	3,51
160	A.03	Bulkhead (wall) - Insulation	Asbestos	3,32
161	A.04	Deck covering- Carpet	Asbestos	5,19
162	A.05	Deck covering- Tile	Asbestos	5,21
163	A.06	Deck covering- Cement	Asbestos	6,13
164	A.07	Wall- Panel Insulation	Asbestos	3,84
165	A.08	Wall- Insulation	Asbestos	2,18
166	A.09	Deckhead (ceiling)- PVC	Asbestos	5,02

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Sample No	Customer Sample No	Description	Parameters	Weight
167	A.10	Deckhead (ceiling)- Panel Insulation	Asbestos	5,19
168	A.11	Deckhead (ceiling)- Panel insulation	Asbestos	3,19
169	A.12	Deck covering- PVC/Rubber	Asbestos	4,22
170	A.13	Deck covering- PVC/Rubber	Asbestos	8,12
171	A.14	Deck covering- Cement	Asbestos	3,51
172	A.15	Wall- Panel insulation	Asbestos	4,00
173	A.16	Deck covering- PVC/Rubber	Asbestos	1,94
174	A.17	Deckhead (ceiling)- Panel	Asbestos	5,19
175	A.18	Wall- Panel insulation	Asbestos	7,18
176	A.19	Deckhead (ceiling)- Rubber	Asbestos	5,17
177	A.20	Wall- Rubber	Asbestos	15,22
178	A.21	Window- Rubber	Asbestos	2,97
179	A.22	Ceiling- Panel insulation	Asbestos	3,53
180	A.23	Wall- Panel insulation	Asbestos	4,16
181	A.24	Air conditioner unit- Sheet packing	Asbestos	4,03
182	A.25	Deck covering- Tile	Asbestos	3,84
183	A.26	Deck covering- Tile	Asbestos	5,86
184	A.27	Deck covering- PVC	Asbestos	4,73
185	A.28	Deck covering- Tile	Asbestos	2,97
186	A.29	Ceiling- Panel insulation	Asbestos	3,13
187	A.30	Wall- Panel insulation	Asbestos	2,16
188	A.31	Deck covering- Paint	Asbestos	2,03
189	A.32	Wall- Panel rubber	Asbestos	2,84
190	A.33	Wall- Panel Insulation	Asbestos	3,86
191	A.34	Ceiling- Panel Insulation	Asbestos	4,73

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Sample No	Customer Sample No	Description	Parameters	Weight
192	A.35	Deckhead (ceiling)- Panel Insulation	Asbestos	1,03
193	A.36	Mooring winch- Brake lining	Asbestos	3,14
194	A.37	Deck covering- Carpet/PCV	Asbestos	1,11
195	A.38	Fire door- Insulation	Asbestos	1,29
196	A.39	Bulkhead (wall) - Panel	ODS	2,01
197	A.40	Bulkhead (wall) - Panel	Asbestos	0,84
198	A.41	Deck covering- Tile	Asbestos	2,22
199	A.42	Emergency generator engine- Lagging material turbocharger	Asbestos	1,88
200	A.43	Drain pipe- Flange gasket	Asbestos	2,19
201	A.44	Deck crane- Packing	Asbestos	1,34
202	A.45	Lifeboat davit- Packing	Asbestos	2,11
203	A.46	Fire hydrant- Packing with valve	Asbestos	0,65
204	A.47	Provision crane- Packing	Asbestos	0,84
205	A.48	Vent pipe- Flange gasket	Asbestos	0,69
206	A.49	Deckhead (ceiling)- Panel Insulation	Asbestos	0,88
207	A.50	Wall- Insulation	Asbestos	0,94
208	A.51	Deck covering- PVC	Asbestos	4,29
209	A.52	Air conditioner unit- Panel insulation	Asbestos	1,83
210	A.53	Deck covering- PVC	Asbestos	3,21
211	A.54	Electrical bulkhead penetration packing	Asbestos	1,24
212	A.55	Main generator engine- Packing with pipe flange	Asbestos	0,82
213	A.56	Main generator engine- Lagging material turbocharger	Asbestos	1,02
214	A.57	F.O. Pipe- Flange gasket	Asbestos	0,23
215	A.58	Exhaust pipe- Lagging material and insulation	Asbestos	2,15
216	A.59	Exhaust pipe- Flange gasket	Asbestos	0,91

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FRM-KYS-86 Y.T:17.02.2020 REV.NO: 1/02.11.2021

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Sultanbeyli V.D. - V.D. NO. 4650346834 - Ticaret Sicil No: 698828

Version 1.0



PEACE OF MIND

 YEŞİL BEYAZ	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUARI TİC. LTD. ŞTİ. HAZARDOUS MATERIALS ANALYSES REPORT	AB-0220-T
		YB-24-EHM-07
		06-24

Sample No	Customer Sample No	Description	Parameters	Weight
217	A.60	Exchanger- Packing with casing	Asbestos	0,39
218	A.61	Paint and coating- Deck	Asbestos	2,17
219	A.62	Steering gear unit- Packing	Asbestos	0,79
220	A.63	Propeller shafting- Packing with casing	Asbestos	1,17
221	A.64	Sea water pipe- Flange gasket	Asbestos	1,16
222	A.65	L.O. Pipe- Flange gasket	Asbestos	1,03
223	A.66	Water pump- Packing	Asbestos	0,24
224	A.67	F.O. strainer/L.O strainer- Lagging material and insulation	Asbestos	2,11
225	A.68	Bulkhead (wall) - Insulation Covering	Asbestos	1,29
226	A.69	Bulkhead (wall) - Insulation	Asbestos	2,01

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Sultanbeyli V.D. - V.D. NO. 4650346834 - Ticaret Sicil No: 698828

Version 1.0



PEACE OF MIND

 YEŞİL BEYAZ <small>İÇİSİ VE ÇEVRE ANALİZ LABORATUVARI</small>	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARI TİC. LTD. ŞTİ. HAZARDOUS MATERIALS ANALYSES REPORT	AB-0220-T YB-24-EHM-07 06-24
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4. ANALYSES RESULTS

4.1. ASBESTOS

	Chrysotile (12001-29-5)	Amosite (12172-73-5)	Crocidolite (12001-28-4)	Anthophyllite (77536-67-5)	Tremolite (77536-68-6)	Actinolite (77536-66-4)
1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
21	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
22	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
24	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
28	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
29	DETECTED	N.D.	N.D.	N.D.	N.D.	N.D.
32	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
33	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
34	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
35	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
36	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
37	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
38	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
39	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
40	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
41	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
43	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
44	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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FRM-KYS-86 Y.T:17.02.2020 REV.NO: 1/02.11.2021

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Sultanbeyli V.D. - V.D. NO. 4650346834 - Ticaret Sicil No: 698828

Version 1.0



PEACE OF MIND

 YEŞİL BEYAZ <small>YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARI</small>	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARI TİC. LTD. ŞTİ. HAZARDOUS MATERIALS ANALYSES REPORT	AB-0220-T YB-24-EHM-07 06-24
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	Chrysotile (12001-29-5)	Amosite (12172-73-5)	Crocidolite (12001-28-4)	Anthophyllite (77536-67-5)	Tremolite (77536-68-6)	Actinolite (77536-66-4)
45	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
46	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
47	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
48	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
49	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
51	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
52	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
53	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
54	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
55	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
56	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
57	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
58	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
59	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
60	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
61	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
62	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
63	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
64	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
65	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
67	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
68	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
69	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
70	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
71	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
72	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
73	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
74	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
75	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
76	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
77	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
78	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
79	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
81	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
82	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
83	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
84	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
85	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
86	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
87	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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Sultanbeyli V.D. - V.D. NO. 4650346834 - Ticaret Sicil No: 698828

Version 1.0



PEACE OF MIND

 YEŞİL BEYAZ	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUARI TİC. LTD. ŞTİ. HAZARDOUS MATERIALS ANALYSES REPORT	AB-0220-T YB-24-EHM-07 06-24
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	Chrysotile (12001-29-5)	Amosite (12172-73-5)	Crocidolite (12001-28-4)	Anthophyllite (77536-67-5)	Tremolite (77536-68-6)	Actinolite (77536-66-4)
88	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
89	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
90	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
91	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
92	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
93	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
94	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
95	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
96	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
97	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
98	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
99	DETECTED	N.D.	N.D.	N.D.	N.D.	N.D.
100	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
101	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
102	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
103	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
104	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
105	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
106	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
107	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
108	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
109	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
110	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
111	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
112	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
113	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
114	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
115	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
116	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
117	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
118	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
119	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
120	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
121	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
122	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
123	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
124	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.02	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.03	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.04	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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Sultanbeyli V.D. - V.D. NO. 4650346834 - Ticaret Sicil No: 698828

Version 1.0



PEACE OF MIND

 YEŞİL BEYAZ	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUARI TİC. LTD. ŞTİ. HAZARDOUS MATERIALS ANALYSES REPORT	AB-0220-T YB-24-EHM-07 06-24
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	Chrysotile (12001-29-5)	Amosite (12172-73-5)	Crocidolite (12001-28-4)	Anthophyllite (77536-67-5)	Tremolite (77536-68-6)	Actinolite (77536-66-4)
A.05	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.06	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.07	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.08	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.09	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.13	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.15	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.21	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.22	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.24	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.28	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.31	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.32	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.33	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.34	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.35	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.36	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.37	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.38	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.39	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.40	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.41	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.42	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.43	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.44	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.45	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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Version 1.0



PEACE OF MIND

 YEŞİL BEYAZ	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUARI TİC. LTD. ŞTİ. HAZARDOUS MATERIALS ANALYSES REPORT	AB-0220-T YB-24-EHM-07 06-24
---	--	------------------------------------

	Chrysotile (12001-29-5)	Amosite (12172-73-5)	Crocidolite (12001-28-4)	Anthophyllite (77536-67-5)	Tremolite (77536-68-6)	Actinolite (77536-66-4)
A.46	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.47	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.48	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.49	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.51	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.52	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.53	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.54	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.55	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.56	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.57	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.58	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.59	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.60	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.61	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.62	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.63	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.64	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.65	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.66	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.67	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.68	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
A.69	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Remark; N.D. ; No asbestos was detected
 Detected ; Asbestos detected more than 0,1

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 YEŞİL BEYAZ	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUARI TİC. LTD. ŞTİ. HAZARDOUS MATERIALS ANALYSES REPORT	AB-0220-T
		YB-24-EHM-07
		06-24

4.2. PERSISTENT POLLUTANTS

	PCB Mg/Kg	PBB Mg/Kg	PCN Mg/Kg	PBDE Mg/Kg	PFOS* Mg/Kg
5	N.D.	-	-	-	-
15	-	-	N.D.	-	-
18	N.D.	N.D.	-	N.D.	-
20	N.D.	-	-	-	-
22	N.D.	-	-	-	-
23	N.D.	-	-	-	-
43	N.D.	-	-	-	-
44	N.D.	-	-	-	-
80	-	N.D.	-	-	-
112	N.D.	-	-	-	-
120	-	N.D.	-	-	-
125	-	-	-	-	N.D.
127	-	-	-	-	N.D.
M.D.L.	0,4	2	2	2	10
Limit Values	50	50	50	1000	10

*The marked parameters are made by the collaboration laboratory.

Remark; mg/Kg. ; ppm
 M.D.L. ; Method Detection Limit
 N.D. (Not Detected) ; Below Method Detection Limit

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 YEŞİL BEYAZ <small>YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARI</small>	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARI TİC. LTD. ŞTİ. HAZARDOUS MATERIALS ANALYSES REPORT	AB-0220-T
		YB-24-EHM-07
		06-24

4.3. OTHER PARAMETERS

	ODS Mg/Kg	TBT Mg/Kg	HBCDD Mg/Kg	CSCCP* %
18	-	-	N.D.	N.D.
30	N.D.	-	N.D.	-
43	-	-	N.D.	-
44	-	-	N.D.	-
78	-	-	N.D.	-
A.39	N.D.	-	-	-
M.D.L.	2	10	2	0,02
Limit Values	-	-	100	1

*The marked parameters are made by the collaboration laboratory.

Remark; mg/Kg. ; ppm
 M.D.L. ; Method Detection Limit
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 <p>YEŞİL BEYAZ YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARI</p>	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARI TİC. LTD. ŞTİ.	AB-0220-T
	HAZARDOUS MATERIALS	YB-24-EHM-07
	ANALYSES REPORT	06-24

4.4. HEAVY METALS

	Pb Mg/Kg	Cd Mg/Kg	Cr Mg/Kg	Hg* Mg/Kg
15	N.D.	N.D.	240,51	N.D.
43	N.D.	N.D.	208,8	N.D.
44	N.D.	N.D.	360,6	N.D.
57	N.D.	145,8	737,3	N.D.
71	N.D.	138,2	710,5	N.D.
78	N.D.	95,91	479,2	N.D.
80	N.D.	110,7	573	N.D.
120	N.D.	N.D.	232,4	N.D.
126	N.D.	N.D.	294,5	N.D.
M.D.L.	0,010	0,001	0,001	0,0002
Limit Values	1000	100	1000	1000

*The marked parameter was analyzed out of scope.

Remark; mg/Kg. ; ppm
M.D.L. ; Method Detection Limit
N.D. (Not Detected) ; Below Method Detection Limit

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Appendix 6



Part II & Part III

NSS FELINTO PERRY

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IHM Part II Operationally Generated Waste

No.	LOCATION	NAME OF ITEM	APPROXIMATE QUANTITY PER IHM Part II (Tonnes)
1	Bilge Water Tank	Bilge water	0.10CM
2	Bilge Well	Bilge water	0.20CM
3	Ballast Tank	Ballast water	6.0T
4	Sewage Tank	Sewage water	0.10CM
5	Dirty water tank	Dirty water	1.0CM

IHM Part III-1 Stores

No.	LOCATION	NAME OF ITEM	APPROXIMATE QUANTITY PER IHM Part III
1	L.O. Store	L.O.	100 Liters
2	Hydraulic Oil Tank	Hydraulic oil	300 Liters
3	Lubricating Oil Tank	Lubricating oil	300 Liters
4	Paint stores	Paint	230 Liters
		Solvent/thinner	28 Liters
5	Grease Store	Grease	15 Liters
6	Chemical locker	Antifreeze fluids	380 Liters

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No.	LOCATION	NAME OF ITEM	APPROXIMATE QUANTITY PER IHM Part II (Tonnes)
7	Battery room, emergency generator room, free fall life boat, MOB	Battery electrolyte	12 pcs
8	All over the ship	Fire extinguishers	14 pcs
9	Fire stations/Fire locker	Fire-fighting equipment and clothing	6 pcs
10	Accommodation, engine room, cargo hold, bridge	Smoke detectors	58 pcs
11	Accommodation, engine room, cargo hold, bridge	Fluorescent light tubes	128 pcs

IHM Part III-2 Liquids stored in ship's machinery or equipment

No.	LIQUID TYPE	NAME OF ITEM	LOCATION	APPROXIMATE QUANTITY PER IHM Part III
1	Lubricating oil	Aux. engine	AE sump tanks	1000 Liters
2	Lubricating oil	Air compressor	Air compressor room	200 Liters
3	Lubricating oil	Stern tube	Stern tube	10 Liters
4	Hydraulic oils	Steering gear	Steering gear room	600 Liters

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No.	LIQUID TYPE	NAME OF ITEM	LOCATION	APPROXIMATE QUANTITY PER IHM Part III
5	Hydraulic oils	Others	Others	400 Liters
6	Treated engine cooling water with engine coolant additives	Main engine, Aux. engine	HT/LT cooling water system	380 Liters

IHM Part III-3 Gases sealed in ship's machinery or equipment

No.	LIQUID/ GAS TYPE	NAME OF ITEM	LOCATION	APPROXIMATE QUANTITY PER IHM Part III
1	Refrigerants	A/C systems	A/C room	10.7 kg
3		Fixed CO2 extinguisher system	CO ₂ room	6 sets
4		Packed air condition	ECR	1 unit
6		Fridge	01.75.2 COPA OF 01-80-2-A	1 pcs
7		Fridge	02.104.1 C MA 02-107-1-L	1 pcs

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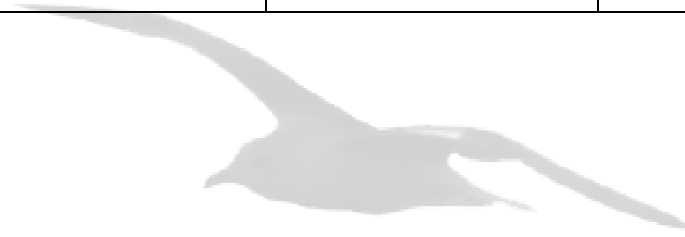
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IHM Part III-4 Regular consumable goods potentially containing Hazardous Materials (PCHM)

No.	LOCATION	NAME OF ITEM	APPROXIMATE QUANTITY PER IHM Part II
1	Accommodation & Cabins/Ship's	Printers and scanners	5 pcs
2	Office	Television sets	1 pcs
3		Computers	3 pcs
4		Refrigerators	2 pcs
5		Radio sets	N/A
6		Telephones	N/A



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Qualification and Capability Certification List

HazMat Expert Certificate



CERTIFICATE

Register No.: 144572424

This is to certify that

NİL GİZEM MERAL

successfully completed the HazMat training course, passed the examination and the witnessing audit for the final approval and is confirmed as:

Fully Approved HazMat Expert

since: **5 December 2022**

The participant has demonstrated the competence to prepare an "Inventory of Hazardous Materials" (IHM) with reference to the following:

- Hong Kong International Convention for the Safe and Sound Recycling of Ships 2009
- EU Ship Recycling Regulation (EC 1257/2013)

Certificate issued on 5 December 2022 (date of witnessing)

This certificate is valid until 4 December 2025 and subject to revalidation every three years.



Beyza Doyduk Attila

DNV Maritime - Environmental Technologies - Sea

DNV Headquarters, Veritasveien 1, P.O.Box 300, 1322 Håvik, Norway. Tel: +47 67 57 99 00. www.dnv.com



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PEACE OF MIND

Gas-free Expert Certificate of Authority

T.C.
ULAŞTIRMA VE ALTYAPI BAKANLIĞI
TERSANELER VE KIYI YAPILARI GENEL MÜDÜRLÜĞÜ
THE REPUBLIC OF TÜRKİYE
MINISTRY OF TRANSPORT AND INFRASTRUCTURE
GENERAL DIRECTORATE OF SHIPYARDS AND COASTAL STRUCTURES

GAZ ÖLÇÜM UZMANI YETKİ BELGESİ
GAS FREE EXPERT CERTIFICATE of AUTHORITY

Adı, Soyadı / Name, Surname : NİL GİZEM MERAL
T.C. Kimlik No.: / TR Identity No. : 11078373156

Bu belge 01.02.2022 tarihli ve 31737 sayılı Resmî Gazete'de yayımlanan Gemi ve Su Araçlarında Gazdan Arındırma Yönetmeliği hükümleri uyarınca düzenlenmiştir.
This certificate is issued under provisions of the Regulation for Gas-Freeing of Ship and Watercrafts which was published in the Official Gazette on 1st of February, 2022 by the number of 31737.

Belge No / Certificate Number : G2023/19
Düzenleme Tarihi / Date of Issued : 09.06.2023
Geçerlilik Tarihi / Valid Until : 09.06.2028


Salih TAN
Tersaneler ve Kıyı Yapıları Genel Müdürü
General Director of Shipyards and Coastal Structures

INCOMAR INSPECTION EXPERTISE SERVICES CO.LTD.

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Company Qualification and Accreditation



T.C.
ULAŞTIRMA VE ALTYAPI BAKANLIĞI
DENİZCİLİK GENEL MÜDÜRLÜĞÜ



DENİZ GÖZETİM İŞLETME YETKİ BELGESİ

FİRMA ADI	Incomar Gözetim Ekspertiz Hizmetleri Ltd. Şti.		
BELGE NO	2247		
ADRES	SARIGAZI MAHALLESİ ATATÜRK CAD. NO: 62 -72E SANCAKTEPE/İSTANBUL		
VERİLİŞ TARİHİ	11.01.2023	GEÇERLİLİK TARİHİ	11.01.2028

Bu belge Deniz Ticareti Gözetim Hizmetleri Yönetmeliği hükümlerine göre düzenlenmiş olup yukarıda adı geçen firma yetki belgesi alınmasına esas belgelerin geçerliliğinin korunması kaydıyla aşağıdaki hizmet alanlarında gözetim hizmeti verebilir.

Gemi alım-satım sürveyi
Gemilerin kiraya giriş - çıkış sürveyi
Yük miktarı sürveyi
Yükleme öncesi kontrol
Liman sahası ve kıyı tesisinde konteyner stok kontrolü ve istif emniyeti sürveyi

Söküm sürveyi
Yağ ve yakıt ölçümü sürveyi
Liman ve tank sahası sürveyi
Gemi yükleme, boşaltma ve aktarma sürveyi

Bu belgenin doğruluğu <https://www.turkiye.gov.tr/belge-dogrulama> adresinde veya mobil cihazlarınıza yükleyebileceğiniz e-Devlet Kapısı'na ait **Barkodlu Belge Doğrulama** uygulaması vasıtası ile yandaki karekod okutularak kontrol edilebilir.





T.C.
TİCARET BAKANLIĞI
Ürün Güvenliği ve Denetimi Genel Müdürlüğü
REPUBLIC OF TURKEY
MINISTRY OF TRADE
General Directorate of Product Safety and Inspection

Belge No :A.2015/24.5
Certificate No
Tarih : 06/03/2019 - 10.01.2022
Date

ULUSLARARASI GÖZETİM ŞİRKETİ BELGESİ
CERTIFICATE FOR INTERNATIONAL INSPECTION COMPANY

Ticari Unvan : Incomar Gözetim Ekspertiz Hizmetleri Ltd. Şti.
Company Name-Trade Title
Adresi : Sarıgazi Mah. Atatürk Cad. No: 62-72 E Sancaktepe/İSTANBUL
Address
Vergi Dairesi ve Vergi No : Sultanbeyli / 4650346834
Tax Office & Tax Identification No.

Unvanı yukarıda kayıtlı firmanın, 2015/24 sayılı Uluslararası Gözetim Şirketi Statüsüne İlişkin Tebliğde öngörülen şartlara sahip bulunduğu görülmüş ve "A Tipi Uluslararası Gözetim Şirketi" statüsü verilerek, işbu belge düzenlenmiştir.
Bu belge 13/12/2025 tarihine kadar geçerlidir.

This document certifies that the above mentioned company, fulfilling the requirements of Communiqué no. 2015/24 on Status of International Inspection Company, has been attributed the status of "International Inspection Company Type A". This certificate is valid until 13/12/2025


Yaşım ÖZDEN
BÖLGE MÜDÜRÜ
Regional Director


Veynel PARLAK
GENEL MÜDÜR
Director General

INCOMAR INSPECTION EXPERTISE SERVICES CO.LTD.

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Sultanbeyli V.D. - V.D. NO. 4650346834 - Ticaret Sicil No: 698828

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PEACE OF MIND



T.C.
TİCARET BAKANLIĞI
Ürün Güvenliği ve Denetimi Genel Müdürlüğü
REPUBLIC OF TURKEY
MINISTRY OF TRADE
General Directorate of Product Safety and Inspection

Belge No : B.2015/24.39
Certificate No
Tarih : 06/03/2019 - H/C/31012
Date

ULUSLARARASI GÖZETİM ŞİRKETİ BELGESİ
CERTIFICATE FOR INTERNATIONAL INSPECTION COMPANY

Ticari Unvanı : Incomar Gözetim Ekspertiz Hizmetleri Ltd. Şti.
Company Name-Trade Title
Adresi : Sarıgazi Mah. Atatürk Cad. No :62-72 E Sancaktepe / İSTANBUL
Address
Vergi Dairesi ve Vergi No : Sultanbeyli / 4650346834
Tax Office & Tax Identification No.

Unvanı yukarıda kayıtlı firmamın, 2015/24 sayılı Uluslararası Gözetim Şirketi Statüsüne İlişkin Tebliğle öngörülen şartlara sahip bulunduğu görülmüş ve "B Tipi Uluslararası Gözetim Şirketi" statüsü verilerek, işbu belge düzenlenmiştir. Bu belge 18/03/2025 tarihine kadar geçerlidir.

This document certifies that the above mentioned company, fulfilling the requirements of Communiqué no. 2015/24 on Status of International Inspection Company, has been attributed the status of "International Inspection Company Type B". This certificate is valid until 18/03/2025.


BÖLGE MÜDÜRÜ
Regional Director


GENEL MÜDÜR V.
Director General



T.C.
ULAŞTIRMA VE ALTYAPI BAKANLIĞI
DENİZCİLİK GENEL MÜDÜRLÜĞÜ
TEHLİKELİ YÜK DENİZ GÖZETİM YETKİ BELGESİ



UDH0323020101388038

Firma Adı	INCOMAR GÖZETİM EKSPERTİZ HİZMETLERİ LTD.ŞTİ.		
Firma U-Net No	1103240	Veriliş Tarihi	24.11.2022
Gerçeklik Tarihi	12.12.2027	Adres	SARIGAZI MAH. ATATÜRK CAD. NO: 62-72 E TEPE PLAZA KAT 3 SANCAKTEPE/ İSTANBUL
Belge No	BKN.U-NET.TYDGYB.34.9	Vergi Numarası	4650346834

*Tehlikeli Yüklere İlişkin Deniz Ticareti Gözetim Hizmeti Yönergesi hükümlerine dayanılarak düzenlenmiş bu belgeye göre yukarıda adı geçen işletme; aşağıdaki üzeri çizilmemiş hizmet alanlarında gözetim hizmeti verebilir.

* IMDG Kod	*-CSS-Kod
*-IMSBC-Kod	*-Grain-Kod
*-IBC-Kod	*-IDC-Kod
*-IGC-Kod	* Hurda Yüklere
*-MARPOL 73/78	*-CTU-Kod

Bu belgenin doğruluğu <https://www.turkiye.gov.tr/belge-dogrulama> adresinde veya mobil cihazlarınıza yükleyebileceğiniz e-Devlet Kapısı'na ait Barkodlu Belge Doğrulama uygulaması vasıtasıyla yandaki karekod okutularak kontrol edilebilir.



INCOMAR INSPECTION EXPERTISE SERVICES CO.LTD.

Sarıgazi Mah. Atatürk Cad. No:62-72E Tepe Plaza Kat:3 Ofis: 3 Sancaktepe - İSTANBUL / TURKEY

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 **TURKISH ACCREDITATION AGENCY**

ACCREDITATION CERTIFICATE

As a "Type A" Inspection Body,

INCOMAR Gözetim Ekspertiz Hizmetleri Ltd. Şti.

Sarıgazi Mh. Atatürk Cad. No.62-72E Sancaktepe 34785 İSTANBUL /
TURKEY

is accredited in accordance with TS EN ISO/IEC 17020:2012 standard within the scope given in Annex following the assessment conducted by **TURKAK**.

Accreditation Number : **AB-0189-M**

Accreditation Date : **16 December 2013**

Revision Date / Number : **26 November 2021 / 04**

This certificate shall remain in force until **13 December 2025**, subject to continuing compliance with the standard **TS EN ISO/IEC 17020:2012**, related regulations and requirements.




G. Banu MÜDERRİSOĞLU
Secretary General

Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Agreement (MRA) in the scope of ISO/IEC 17020.

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CERTIFICATION



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Sertifika No: Q16122001

INCOMAR GÖZETİM EKSPERTİZ HİZMETLERİ LTD. ŞTİ.

SARIGAZI MAH. ATATÜRK CAD. NO:62-72/E
SANCAKTEPE / İSTANBUL / TÜRKİYE

TS EN ISO 9001:2015

A1 Belgelendirme ve Muayene Hizmetleri Ltd. Şti. bu belge ile yukarıda adı, adresi geçen kuruluşun Yönetim Sistemi'nin tetkik edildiğini ve aşağıda belirtilen kapsamda ilgili standardın gerekliliklerini sağladığını onaylamıştır.

DENİZ NAKİL VASITALARI- ADI METALLER VE ADI METALLERDEN EŞYA (METALURJİK MAMULLER, DEMİRLER VE DEMİR ALAŞIMLAR, HURDA) FİZİKSEL KALİTE VE MİKTAR TESPİTİ- RADYASYON KONTROLÜ, YURTIÇİ VE YURTDIŞI ULUSLARARASI GÖZETİM VE DENİZ SÖRVEY HİZMETLERİ, P-I KARGO KONDİSYON VE GEMİ GİRİŞİ / ÇIKIŞ SÖRVEYİ, DEMİR VE ÇELİK ÜRÜNLERİ VE DEMİR-ÇELİK HURDA MİKTAR VE KALİTE GÖZETİMİ, KARA, DENİZ VE HAVA NAKİL ARAÇLARININ YÜK, İSTİF, HASAR, TAŞIMA VE ÜRÜNLERİNE AİT ŞARTLAR İLE TARIM VE MOTORLU KARA TAŞITLARININ NAKLİYE VE LOJİSTİK ŞARTLARININ KONTROLÜ, YÜKLEME/ TAHLİYE ÖNCESİ/SONRASI KONTEYNER GÖZETİMİ, KONTEYNER HASAR TESPİTİ VE CSCS GÖZETİMİ, GEMİ AMBAR KAPAK (SU / ULTRASONİK VB.) SIZDIRMAZLIK GÖZETİMİ VE YÜK BAĞLAMA GÖZETİM VE SÖRVEYİ VE MUHTELİF YAKITLAR, MAKİNA YAĞLARI, GEMİ YAKITLARI (BUNKERLER), HAM PETROL VE PETROL ÜRÜNLERİNİN KALİTE MİKTAR KONTROLLERİ VE NUMUNE ALMA VE DOPİNG İŞLEMLERİ

ONAY

Belgelendirme Tarihi : 16.12.2020
Yenileme Tarihi : 22.12.2022
Geçerlilik Tarihi : 15.12.2023



Bu sertifika A1 Belgelendirme kurallarına uyulması ve her yıl yapılacak gözetim denetimlerinin başarılı bir şekilde tamamlanması durumunda, ilk yayın tarihinden itibaren üç yıl süreyle geçerlidir. Sertifikanın geçerlilik durumu www.a1cert.com ve <https://bds.turkak.org.tr> adresinden veya QR kodunun okunması ile kontrol edilebilir.

A1 BELGELENDİRME VE MUAYENE HİZMETLERİ LTD. ŞTİ.
Yukarı Dindalle Mah. Nispetiye Cad. Çam Sok. No:7 Ümraniye/ İstanbul/ Türkiye
Tel (0216 640 11 01) Faks (0216) 640 11 02 www.a1cert.com
F34.141/ Rev:06/ 02.01.2019

Rev. No: 00
Rev. Tar.: -



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Laboratory Accreditation



Türk Akreditasyon Kurumu

AKREDİTASYON SERTİFİKASI

Deney Laboratuvarı olarak faaliyet gösteren,

YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARLARI TİCARET LİMİTED ŞİRKETİ LQS-
Laboratory Quality Services

Merkez Adres: KAZIMIYE MAH. SALİH OMURTAĞ CAD. NO:22/15 ÇORLU Tekirdağ / Türkiye

TÜRKAK tarafından yapılan denetim sonucunda TS EN ISO/IEC 17025:2017 standardına göre Ek'te yer alan kapsamlarda akredite edilmiştir.

Akreditasyon No : AB-0220-T
Akreditasyon Tarihi : 09.06.2009
Revizyon Tarihi / No : 26.08.2023 / 19

Bu Sertifika, yukarıda açık adı ve adresi yazılı Kuruluşun TS EN ISO/IEC 17025:2017 Standardına, ilgili Yönetmelik ve Tebliğlere uygunluğunu sürdürmesi halinde **26.12.2025** tarihine kadar geçerlidir.

Gülden Banu Müderrisoğlu
Genel Sekreter



Türk Akreditasyon Kurumu (TÜRKAK) ISO/IEC 17025 alanında Avrupa Akreditasyon Birliği (EA) ve Uluslararası Laboratuvar Akreditasyon Birliği (ILAC) ile çok taraflı anlaşma (MLAMRA) imzalamıştır.

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müderrisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

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Akreditasyon Sertifikası Eki (Sayfa 1/29)
 Akreditasyon Kapsamı

	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARLARI TİCARET LİMİTED ŞİRKETİ LQS- Laboratory Quality Services	
	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deney Laboratuvarı		
Adresi : SAZMIYE MAH. SALIH OMURTAK CAD. NO 2315 ÇORLU Tekebaşı / Türkiye		Telefon : +90 282 853 4488 Faks : E-Posta : kalite@yesilbeyazcevre.com.tr Web Sitesi :

Çevresel Deneyler		
Deneyi Yapılan Matzemeler / Ürünler	Deney Adı	Deney Metodu (Ulusal, Uluslararası Standartlar, İşletme-içi Metotlar)
Su	Nehirlerden ve Akarsulardan Numune Alma	TS EN ISO 5667-6
Su	Yeraltı Sularından Numune Alma	TS ISO 5667-11
Su	Göl ve Göletlerden Numune Alma	TS ISO 5667-4
Su	pH Tayini Elektrometrik Metot	TS EN ISO 10523
Su	İletkenlik Tayini Elektrometrik Metot	TS 9748 EN 27888
Su	Sıcaklık Tayini Laboratuvar ve Saha Metodu	SM 2550 B
Su	Çözünmüş Oksijen Tayini Elektrokimyasal Sonda Metodu	TS EN ISO 5614
Su	Çözünmüş Oksijen Tayini Lüminesans Sensör Metodu	ASTM D888 Metot C
Su	Bulanıklık Tayini Nefelometrik/Türbidimetrik Metot	TS EN ISO 7027-1
Su	Renk Tayini Spektrofotometrik Metot	SM 2120 C
Su	Renk Tayini Spektrofotometrik Metot	TS EN ISO 7887 B
Su	Sertlik Tayini EDTA Titrimetrik Metot	SM 2340 C
Su	Alkalinite Tayini Titrimetrik Metot	SM 2320 B
Su	Kimyasal Oksijen İhtiyacı (KOl) Tayini Açık Refleks-Titrimetrik Metot	SM 5220 B

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

INCOMAR INSPECTION EXPERTISE SERVICES CO.LTD.

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Akreditasyon Sertifikası Eki (Sayfa 2/29)

Akreditasyon Kapsamı

	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARLARI TİCARET LİMİTED ŞİRKETİ LQS- Laboratory Quality Services	
	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deney Laboratuvarı		
Adresi: KALZİMİYE MAH. SALİH ÖMÜRTAŞ CAD. NO 23115 ÇORLU TEKRİRBAĞI / Türkiye	Telefon: +90 282 853 4488 Fax: E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:	
Su	Biyokimyasal Oksijen İhtiyacı (BOİ) Tayini 5 Günlük BOİ Testi	SM 5210 B
Su	Toplam Çözülmüş Madde (TÇM) Tayini Gravimetrik Metot	SM 2540 C
Su	Aşkıda Katı Madde (AKM) Tayini Gravimetrik Metot	SM 2540 D
Su	Yağ ve Gres Tayini Ön İşlem: Soksiet Ekstraksiyon Metodu Ölçüm: Gravimetrik Metot	SM 5520 D
Su	Hidrokarbonlar Tayini Ön İşlem: Soksiet Ekstraksiyon Metodu Ölçüm: Gravimetrik Metot	SM 5520 D ve F
Su	Hidrokarbon Yağ İndeksi Tayini Ön İşlem: Solvent Ekstraksiyon Ölçüm: GC-FID Metodu	TS EN ISO 9377-2
Su	Amonyum/Amonyum Azotu Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Titrimetrik Metot	SM 4500-NH ₃ B SM 4500-NH ₃ C
Su	Amonyum/Amonyum Azotu Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Spektrofotometrik Metot	SM 4500-NH ₃ B SM 4500-NH ₃ F
Su	Toplam Kjeldahl Azotu Tayini Makro Kjeldahl Metodu	SM 4500-N ₂ B
Su	Nitrat/Nitrat Azotu Tayini Spektrofotometrik Metot	EPA 352.1
Su	Nitrit/Nitrit Azotu Tayini Spektrofotometrik Metot	SM 4500-NO ₂ - B

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

INCOMAR INSPECTION EXPERTISE SERVICES CO.LTD.

Sarıgazi Mah. Atatürk Cad. No:62-72E Tepe Plaza Kat:3 Ofis: 3 Sancaktepe - İSTANBUL / TURKEY

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Akreditasyon Sertifikası Eki (Sayfa 3/29)

Akreditasyon Kapsamı

	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARLARI TİCARET LİMİTED ŞİRKETİ LQS- Laboratory Quality Services	
	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Denej Laboratuvarı		
Adresi : KALZİMİYE MAH. SALİH ÖMÜRTAŞ CAD. NO 23115 ÇORLU TEKİRBAĞI / Türkiye	Telefon : +90 282 853 4488 Fax : E-Posta : kalite@yesilbeyazcevre.com.tr Web Sitesi :	
Su	Bromür, Florür, Klorür, Nitrat, Nitrit, Ortofosfat, Sülfat Tayini IC Metodu	TS EN ISO 10304-1
Su	Florür Tayini Ön İşlem: Distilasyon Metodu Ölçüm: SPADNS Metodu	SM 4500-F B SM 4500-F D
Su	Fosfat/Fosfat Fosforu Tayini Spektrofotometrik Metot	SM 4500-P E
Su	Toplam Fosfor Tayini Ön İşlem: Özütleme Metodu Ölçüm: Spektrofotometrik Metot	SM 4500-P B SM 4500-P E
Su	Klorür Tayini Titrimetrik Metot	TS 4164 ISO 9297
Su	Fenol Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Spektrofotometrik Metot	SM 5530 B SM 5530 C
Su	Fenol Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Spektrofotometrik Metot	SM 5530 B SM 5530 D
Su	Yüzey Aktif Madde (MBAS) Tayini Ön İşlem: Sublimasyon Aparatı ile Ayırma Ölçüm: Spektrofotometrik Metot	SM 5540 B SM 5540 C
Su	Serbest Siyanür Tayini Spektrofotometrik Metot	SM 4500-CN E
Su	Toplam Siyanür Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Spektrofotometrik Metot	SM 4500-CN C SM 4500-CN E
Su	Krom (VI) Tayini Spektrofotometrik Metot	SM 3500-Cr B
Su	Serbest Klor Tayini Spektrofotometrik Metot	SM 4500-Cl G

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

INCOMAR INSPECTION EXPERTISE SERVICES CO.LTD.

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Akreditasyon Sertifikası Eki (Sayfa 4/29)

Akreditasyon Kapsamı

	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARLARI TİCARET LİMİTED ŞİRKETİ LQS- Laboratory Quality Services	
	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deneysel Laboratuvar		
Adresi: KALZIMİYE MAH. SALİH ÖMÜRTAŞ CAD. NO 23115 ÇORLU TEKİRBAĞI / Türkiye		Telefon: +90 282 853 4488 Fax: E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:
Su	Sülfür Tayini Spektrofotometrik Metot	SM 4500-S ²⁻ -D
Su	Sülfür Tayini Titrimetrik Metot	SM 4500-S ²⁻ -F
Su	Sülfat Tayini Titrimetrik Metot	SM 4500 SO ₄ ²⁻ -B
Su	Sülfat Tayini Spektrofotometrik Metot	SM 4500 SO ₄ ²⁻ -C
Su	Sülfat Tayini Spektrofotometrik Metot	SM 4500 SO ₄ ²⁻ -E
Su	Hidrazin Tayini Spektrofotometrik Metot	ASTM D1385-07
Su	Toplam Organik Karbon (TOK) / Çözünmüş Organik Karbon (ÇOK) Tayini Yükseltgenme Metodu	TS 8195 EN 1484
Su	Alüminyum (Al), Antimon (Sb), Arsenik (As), Bakır (Cu), Baryum (Ba), Bor (B), Berilyum (Be), Çinko (Zn), Demir (Fe), Gümüş (Ag), Kadmilyum (Cd), Krom (Cr), Kobalt (Co), Kurşun (Pb), Lityum (Li), Magnezyum (Mg), Molibden (Mo), Mangan (Mn), Nikel (Ni), Sodyum (Na), Selenyum (Se), Vanadyum (V), Fosfor (P), Kalsiyum (Ca), Potasyum (K), Kalay (Sn), Stronsiyum (Sr), Titanyum (Ti), Talyum (Tl) Tayini Ön İşlem: Filtrasyon Ön İşlem: Mikrodalga Asidik Özütleme Ölçüm: ICP-OES Metodu	SM 3030 K EPA 200.7
Atıksu	Nümunne Alma Teknikleri	TS ISO 5667-10
Atıksu	pH Tayini Elektrometrik Metot	TS EN ISO 10523
Atıksu	İletkenlik Tayini Elektrometrik Metot	TS 9748 EN 27888
Atıksu	Sıcaklık Tayini Laboratuvar ve Saha Metodu	SM 2550 B
Atıksu	Çözünmüş Oksijen Tayini Elektrokimyasal Sonda Metodu	TS EN ISO 5814
Atıksu	Çözünmüş Oksijen Tayini Lüminesans Sensör Metodu	ASTM D888 Metot C

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

INCOMAR INSPECTION EXPERTISE SERVICES CO.LTD.

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Akreditasyon Sertifikası Eki (Sayfa 5/29)

Akreditasyon Kapsamı

	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARLARI TİCARET LİMİTED ŞİRKETİ LQS- Laboratory Quality Services	
	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deney Laboratuvarı		
Adresi: KAZIMİYE MAH. SALIH OMURTAK CAD. NO 2315 ÇORLU TEKİRBAĞI / Türkiye		Telefon: +90 282 853 4488 Faks: - E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:
Atıksu	Tuzluluk Tayini Elektriksel İletkenlik Metodu	SM 2520 B
Atıksu	Bulanıklık Tayini Şeffaf Test Tüpü Metodu/Disk Metodu	TS EN ISO 7027-2
Atıksu	Renk Tayini Spektrofotometrik Metot	SM 2120 C
Atıksu	Renk Tayini Spektrofotometrik Metot	TS EN ISO 7887 B
Atıksu	Alkalinite Tayini Titrimetrik Metot	SM 2320 B
Atıksu	Kimyasal Oksijen İhtiyacı (KOl) Tayini Açık Refleks-Titrimetrik Metot	SM 5220 B
Atıksu	Biyokimyasal Oksijen İhtiyacı (BOİ) Tayini 5 GÜNLÜK BOİ Testi	SM 5210 B
Atıksu	Toplam Çözünmüş Madde (TÇM) Tayini Gravimetrik Metot	SM 2540 C
Atıksu	Askıda Katı Madde (AKM) Tayini Gravimetrik Metot	SM 2540 D
Atıksu	Çökebilir Katı Madde(ÇKM) Tayini Hacimsel Metot	TS 7092
Atıksu	Hidrokarbonlar Tayini Ön İşlem: Sokslet Ekstraksiyon Metodu Ölçüm: Gravimetrik Metot	SM 5520 D ve F
Toprak	Kuru Madde (%) Muhtevası / Nem (%) Tayini Gravimetrik Metot	SM 2540 G
Atıksu	Yağ ve Gres Tayini Ön İşlem: Sokslet Ekstraksiyon Metodu Ölçüm: Gravimetrik Metot	SM 5520 D
Atıksu	Hidrokarbon Yağ İndeksi Tayini Ön İşlem: Solvent Ekstraksiyon Ön İşlem: Mikro Ayırıcı Ön İşlem: Florisil Temizleme Ölçüm: GC-FID Metodu	TS EN ISO 9377-2

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

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	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARLARI TİCARET LİMİTED ŞİRKETİ LQS- Laboratory Quality Services	
	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deneş Laboratuvarı		
Adresi: KALZİMİYE MAH. SALİH ÖMÜRTEK CAD. NO 2315 ÇORLU TEŞİŞAĞI / Türkiye	Telefon: +90 282 853 4488 Fax: E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:	
Atıksu	Amonyum/Amonyum Azotu Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Titrimetrik Metot	SM 4500-NH ₃ B SM 4500-NH ₃ C
Atıksu	Amonyum/Amonyum Azotu Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Spektrofotometrik Metot	SM 4500-NH ₃ B SM 4500-NH ₃ F
Atıksu	Toplam Kjeldahl Azotu (TKN) Tayini Makro Kjeldahl Metodu	SM 4500-N _{total} B
Atıksu	Nitrat/ Nitrat Azotu Tayini Spektrofotometrik Metot	EPA 352.1
Atıksu	Nitrit/Nitrit Azotu Tayini Spektrofotometrik Metot	SM 4500-NO ₂ - B
Atıksu	Bromür, Florür, Klorür, Nitrat, Nitrit, Ortofosfat, Süfat Tayini IC Metodu	TS EN ISO 10304-1
Atıksu	Florür Tayini Ön İşlem: Distilasyon Metodu Ölçüm: SPADNS Metodu	SM 4500-F B SM 4500-F D
Atıksu	Fosfat/Fosfat Fosforu Tayini Spektrofotometrik Metot	SM 4500-P E
Atıksu	Toplam Fosfor Tayini Ön İşlem: Özütleme Metodu Ölçüm: Spektrofotometrik Metot	SM 4500-P B SM 4500-P E
Atıksu	Klorür Tayini Titrimetrik Metot	TS 4164 ISO 9297
Atıksu	Fenol Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Spektrofotometrik Metot	SM 5530 B SM 5530 D

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

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	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deneş Laboratuvarı		
Adresi : KALZİMİYE MAH. SALİH ÖMÜRTAŞ CAD. NO 23115 ÇORLU TEKİRBAĞI / Türkiye	Telefon : +90 282 853 4488 Fax : E-Posta : kalite@yesilbeyazcevre.com.tr Web Sitesi :	
Atıksu	Fenol Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Spektrofotometrik Metot	SM 5530 B SM 5530 C
Atıksu	Serbest Siyanür Tayini Spektrofotometrik Metot	SM 4500-CN E
Atıksu	Toplam Siyanür Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Spektrofotometrik Metot	SM 4500-CN C SM 4500-CN E
Atıksu	Krom (VI) Tayini Spektrofotometrik Metot	SM 3500-Cr B
Atıksu	Sülfür Tayini Spektrofotometrik Metot	SM 4500-S ₂ ⁻ D
Atıksu	Sülfür Tayini Titrimerik Metot	SM 4500-S ₂ ⁻ F
Atıksu	Sülfat Tayini Titrimerik Metot	SM 4500 SO ₄ ²⁻ B
Atıksu	Sülfat Tayini Spektrofotometrik Metot	SM 4500 SO ₄ ²⁻ C
Atıksu	Sülfat Tayini Spektrofotometrik Metot	SM 4500 SO ₄ ²⁻ E
Atıksu	Hidrazin Tayini Spektrofotometrik Metot	ASTM D1385-07
Atıksu	Balık Biyodenyeli (ZSF) Tayini	SKKY Numune Alma ve Analiz Metotları Tebliğı Ek-1
Atıksu	Toplam Organik Karbon (TOK)/ Çözünmüş Organik Karbon (ÇOK) Tayini Yükseltgenme Metodu	TS 8195 EN 1484

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

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	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deneş Laboratuvarı		
Adresi: KALZİMİYE MAH. SALİH ÖMÜRATAK CAD. NO 2315 ÇORLU TEKİRBAĞ / TÜRKİYE		Telefon: +90 282 853 4488 Faks: E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:
Aktsu	Alüminyum (Al), Antimon (Sb), Arsenik (As), Bakır (Cu), Baryum (Ba), Bor(B), Berilyum (Be), Çinko (Zn), Demir (Fe), Gümüş (Ag), Kadmiyum (Cd), Krom (Cr), Kobalt (Co), Kurşun (Pb), Lityum (Li), Magnezyum (Mg), Molibden (Mo), Mangane (Mn), Nikel (Ni), Sodyum (Na), Selenyum (Se), Vanadyum (V), Fosfor (P), Kalsiyum (Ca), Potasyum (K), Kalay (Sn), Stronsiyum (Sr), Titanyum (Ti), Talyum (Tl) Tayini Ön İşlem: Filtrasyon Ön İşlem: Mikrodalga Asidik Özütleme Ölçüm: ICP-OES Metodu	SM 3030 K EPA 200.7
Su	Cıva (Hg) Tayini Ön İşlem: Hırdürleştirme / Soğuk Buhar Ölçüm: ICP-OES Metodu	İşletme İçi Metot- "TLM-ENST- 04.Rev00" (EPA 200.7 ve EPA 245.2'den modifiye edilmiştir.)
Deniz Suyu	Deniz Sularından Numune Alma	TS ISO 5667-9
Deniz Suyu	pH Tayini Elektrometrik Metot	TS EN ISO 10523
Deniz Suyu	İletkenlik Tayini Elektrometrik Metot	TS 9748 EN 27888
Deniz Suyu	Sıcaklık Tayini Laboratuvar ve Saha Metodu	SM 2550 B
Deniz Suyu	Tuzluluk Tayini Elektiriksel İletkenlik Metodu	SM 2520 B
Deniz Suyu	Çözünmüş Oksijen Tayini Elektrokimyasal Sonda Metodu	TS EN ISO 5814
Deniz Suyu	Çözünmüş Oksijen Tayini Lüminesans Sensör Metodu	ASTM D888 Metot C
Deniz Suyu	Bulanıklık Tayini Nefelometrik/Turbidimetrik Metot	TS EN ISO 7027-1
Deniz Suyu	Renk Tayini Spektrofotometrik Metot	SM 2120 C
Deniz Suyu	Renk Tayini Spektrofotometrik Metot	TS EN ISO 7887 B
Deniz Suyu	Asılda Katı Madde (AKM) Tayini Gravimetrik Metot	SM 2540 D
Deniz Suyu	Amonyum/Amonyum Azotu Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Titrimetrik Metot	SM 4500-NH ₄ B SM 4500-NH ₄ C

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

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	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Denej Laboratuvarı		
Adresi: KALZİMİYE MAH. SALİH ÖMURTAK CAD. NO 2315 ÇORLU TEKİRBAĞI / Türkiye		Telefon: +90 282 853 4488 Fax: E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:
Deniz Suyu	Amonyum/Amonyum Azotu Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Spektrofotometrik Metot	SM 4500-NH ₃ B SM 4500-NH ₃ F
Deniz Suyu	Nitrat/Nitrat Azotu Tayini Spektrofotometrik Metot	EPA 352.1
Deniz Suyu	Nitrit/Nitrit Azotu Tayini Spektrofotometrik Metot	SM 4500-NO ₂ - B
Deniz Suyu	Fosfat/Fosfat Fosforu Tayini Spektrofotometrik Metot	SM 4500 P E
Deniz Suyu	Toplam Fosfor Tayini Ön İşlem: Özütleme Metodu Ölçüm: Spektrofotometrik Metot	SM 4500-P B SM 4500-P E
Deniz Suyu	Parçalanabilir Organik Kirlenmelerin Tayini 5-Günlük BOD Test Metodu	SM 5210 B
Deniz Suyu	Fenol Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Spektrofotometrik Metot	SM 5530 B SM 5530 C
Deniz Suyu	Hidrokarbon Yağ İndeksi Tayini Ön İşlem: Solvent Ekstraksiyon Ön İşlem: Mikro Ayırıcı Ön İşlem: Florisil Temizleme Ölçüm: GC-FID Metodu	TS EN ISO 9377-2
Deniz Suyu	Işık Geçirgenliği/Sekel Diski Derinliği Tayini Şeffaf Test Tüpü Metodu/Disk Metodu	TS EN ISO 7027-2
Deniz Suyu	Yağ ve Gres Tayini Ön İşlem: Sokslet Ekstraksiyon Metodu Ölçüm: Gravimetrik Metot	SM 5520 D
Deniz Suyu	Hidrokarbonların Tayini Ön İşlem: Sokslet Ekstraksiyon Metodu Ölçüm: Gravimetrik Metot	SM 5520 D ve F
Deniz Suyu	Krom (VI) Tayini Spektrofotometrik Metot	SM 3500-Cr B

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

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	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deney Laboratuvarı		
Adresi: KALZİMİYE MAH. SALİH ÖMÜRTAŞ CAD. NO 2315 ÇORLU Teisbağ / Türkiye		Telefon: +90 282 853 4488 Fax: E-Posta: kalite@yesilbeyazcvre.com.tr Web Sitesi:
Deniz Suyu	Toplam Siyanür Tayini Ön İşlem: Distilasyon Metodu Ölçüm: Spektrofotometrik Metot	SM 4500-CN C SM 4500-CN E
Deniz Suyu	Serbest Siyanür Tayini Spektrofotometrik Metot	SM 4500-CN E
Deniz Suyu	Yüzeysel Aktif Madde (MBAS) Tayini Ön İşlem: Sublasyon Aparatı ile Ayırma Ölçüm: Spektrofotometrik Metot	SM 5540 B SM 5540 C
Atık	Katı Atıklardan Numune Alma	TS 12090
Atık	pH Tayini Ön İşlem: Katıdan Özütleme Metodu Ölçüm: Elektrometrik Metot	TS EN 12457-4 SM 4500 H B
Atık	Alüminyum (Al), Antimon (Sb), Arsenik (As), Bakır (Cu), Baryum (Ba), Berilyum (Be), Bor (B), Cıva (Hg), Çinko (Zn), Demir (Fe), Fosfor (P), Gümüş (Ag), Kadmiyum (Cd), Kalay (Sn), Kalsiyum (Ca), Kobalt (Co), Krem (Cr), Kurşun (Pb), Lityum (Li), Magnezyum (Mg), Manganez (Mn), Molibden (Mo), Nikel (Ni), Potasyum (K), Selenyum (Se), Seryum (Sr), Silika (SiO ₂), Sodyum (Na), Stronsiyum (Sr), Talyum (Tl), Titanyum (Ti), Vanadyum (V) Tayini Ön İşlem: Katıdan Özütleme Metodu Ön İşlem: Filtrasyon Ön İşlem: Mikrodalgalı Asidik Özütleme Ölçüm: ICP-OES Metodu	TS EN 12457-4 EPA 3015 A EPA 200.7
Atıksu	Cıva (Hg) Tayini Ön İşlem: Hidritleşirme / Soğuk Buhar Ölçüm: ICP-OES Metodu	İşletme İçin Metot- "TLM-ENST- 04.Rev00" (EPA 200.7 ve EPA 245.2'den modifiye edilmiştir.)
Atık	Florür Tayini Ön İşlem: Katıdan Özütleme Metodu Ön İşlem: Distilasyon Metodu Ölçüm: SPADNS Metodu	TS EN 12457-4 SM 4500-F B SM 4500-F D

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

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	<p>Deneş Laboratuvarı</p>	
<p>Adres: KALZİMİYE MAH. SALİH OMURTAŞ CAD. NO 23115 ÇORLU TEKİRBAĞ / Türkiye</p>		<p>Telefon: +90 282 853 4488 Faks: kalite@yesilbeyazcevre.com.tr E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:</p>
Atık	<p>Florür, Klorür, Sülfat Tayini</p> <p>Ön İşlem: Katıdan Özütleme Metodu</p> <p>Ölçüm: İC Metodu</p>	<p>TS EN 12457-4 TS EN ISO 10304-1</p>
Atık	<p>Klorür Tayini</p> <p>Ön İşlem: Katıdan Özütleme Metodu</p> <p>Ölçüm: Titrimetrik Metot</p>	<p>TS EN 12457-4 TS 4164 ISO 9297</p>
Atık	<p>Sülfat Tayini</p> <p>Ön İşlem: Katıdan Özütleme Metodu</p> <p>Ölçüm: Türbidimetrik Metot</p>	<p>TS EN 12457-4 SM 4500-SO₄²⁻ E</p>
Atık	<p>Toplam Çözünmüş Madde</p> <p>Ön İşlem: Katıdan Özütleme Metodu</p> <p>Ölçüm: Gravimetrik Metot</p>	<p>TS EN 12457-4 SM 2540 C</p>
Atık	<p>Kuru Madde (%) Muhtevası / Nem (%) Tayini</p> <p>Gravimetrik Metot</p>	<p>SM 2540 G</p>

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

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	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deneş Laboratuvarı		
Adres: KALZİMİYE MAH. SALİH OMURTAK CAD. NO 23115 ÇORLU TEŞİŞAĞI / Türkiye		Telefon: +90 282 853 4488 E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:
Atık	Toplam Organik Karbon (TOK) Tayini Yüksek Sıcaklıkta Yakma Metodu	TS EN 15936
Atık	Kuru Küllerin Kızdırma Kaybının Tayini Gravimetrik Metot	TS EN 15935
Atık	C10-C40 Aralığındaki Hidrokarbonların Tayini Ön İşlem: Numune Hazırlama Ön İşlem: FMS/ASE/Sokset Ekstraksiyon Ön İşlem: Florisil Temizleme Ön İşlem: Silikajel Temizleme Ölçüm: GC-FID Metodu	TS ISO 14507 TS EN 14039
Arıtma Çamuru	Kanalizasyon ve Su Arıtma Tesislerinden Çamur Numunesi Alma	TS EN ISO 5667-13
Arıtma Çamuru	pH Tayini Elektrometrik Metot	TS ISO 10390
Arıtma çamuru	Kuru Madde (%) Muhtevası / Nem (%) Tayini Gravimetrik Metot	SM 2540 G
Arıtma çamuru	Kuru Küllerin Kızdırma Kaybının Tayini Gravimetrik Metot	TS EN 15935
Arıtma çamuru	Toplam Organik Karbon (TOK) Tayini Yüksek Sıcaklıkta Yakma Metodu	TS EN 15936

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

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	<p>Deney Laboratuvarı</p>	
<p>Adresi: KAZIMİYE MAH. SALİH OMURTAK CAD. NO 23115 ÇORLU TEKRİBAĞI / Türkiye</p>		<p>Telefon: +90 282 853 4488 Faks: kalite@yesilbeyazcevre.com.tr E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:</p>
Arıtma Çamuru	<p>C10-C40 aralığındaki Hidrokarbonlar Tayini</p> <p>Ön İşlem: Numune Hazırlama</p> <p>Ön İşlem: FMS/ASE/Soksel Ekstraksiyon</p> <p>Ön İşlem: Florisil Temizleme</p> <p>Ön İşlem: Silikajel Temizleme</p> <p>Ölçüm: GC-FID Metodu</p>	<p>TS ISO 14507 TS EN 14039</p>
Arıtma Çamuru	<p>Organiklorlu Pestisitler Tayini (Aldrin, α-BHC, β-BHC, γ-BHC (Lindane), δ-BHC, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endosulfansulfate, Endrin, Endrinaldehide, Heptachlor, Heptachlorepoide, Methoxychlor)</p> <p>Ön İşlem: Mikrodalga Ekstraksiyon</p> <p>Ön İşlem: Silikajel Temizleme</p> <p>Ölçüm: GC-ECD Metodu</p>	<p>EPA 3546 EPA 3630 C EPA 8081 B</p>
Toprak	Yüzey Toprakdan Numune Alma, Numunelerin Taşınma ve Muhafazası	TS 9923
Toprak	pH Tayini	TS ISO 10390
	Elektrometrik Metot	

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	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARLARI TİCARET LİMİTED ŞİRKETİ LQS- Laboratory Quality Services	
	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deneş Laboratuvarı		
Adres: KALZİMİYE MAH. SALİH ÖMÜRTAŞ CAD. NO 2315 ÇORLU TEKRİR/İ Türkiye		Telefon: +90 282 853 4488 Fax: E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:
Toprak	Alüminyum (Al), Antimon (Sb), Arsenik (As), Bakır (Cu), Baryum (Ba), Berilyum (Be), Bor (B), Cıva (Hg), Çinko (Zn), Demir (Fe), Fosfor (P), Gümüş (Ag), Kadmilyum (Cd), Kalay (Sn), Kalsiyum (Ca), Kobalt (Co), Krom (Cr), Kurşun (Pb), Lityum (Li), Magnezyum (Mg), Manganez (Mn), Molibden (Mo), Nikel (Ni), Potasyum (K), Selenyum (Se), Seryum (Cr), Silika (SiO ₂), Sodyum (Na), Stronsiyum (Sr), Talyum (Tl), Tıtanyum (Ti), Vanadyum (V) Tayini Ön İşlem: Mikrodalga Asidik Özütleme Ölçüm: ICP OES Metodu	EPA 3051 A EPA 200.7
Toprak	Cıva (Hg) Tayini Ön İşlem: Mikrodalga ile Asidik Özütleme Metodu Ölçüm ICP-OES Metodu	EPA 3051 A EPA 200.7
Toprak	C ₁₇ -C ₂₇ Aralığındaki Hidrokarbonların Tayini Ön İşlem: Numune Hazırlama Ön İşlem: FMS/ASE/Sekstet Ekstraksiyon Ön İşlem: Florisil Temizleme Ön İşlem: Silikajel Temizleme Ölçüm: GC-FID Metodu	TS ISO 14507 TS EN 14039
Toprak	PCB (Poliklorlu Bifeniller) Tayini PCB (28, 52, 101, 118, 138, 153, 180) Ön İşlem: Mikrodalga Ekstraksiyon Ön İşlem: Silikajel Temizleme Ölçüm: GC-ECD Metodu	EPA 3546 EPA 3630 C EPA 8082 A
Toprak	Organoklorlu Pestisitlerin Tayini (Aldrin, α -BHC, β -BHC, γ -BHC (Lindane), δ -BHC, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endosulfansulfate, Endrin, Endrinaldehide, Heptachlor, Heptachlorepoide, Methoxychlor) Ön İşlem: Mikrodalga Ekstraksiyon Ön İşlem: Silikajel Temizleme Ölçüm: GC-ECD Metodu	EPA 3546 EPA 3630 C EPA 8081 B
Toprak	BTEX (Benzen, Toluen, Etil Benzen, Ksilen) Tayini Ön İşlem: Headspace Ölçüm: GC-MS Metodu	EPA 5021 A EPA 8260 D
Toprak	Toplam Organik Karbon (TOK) Tayini Yüksek Sıcaklıkta Yakma Metodu	TS EN 15936
Sediment	Dış Sedimentlerinden Numune Alma	TS ISO 5667-12
Sediment	pH Tayini Elektrometrik Metot	TS ISO 10390
Sediment	Alüminyum (Al), Antimon (Sb), Arsenik (As), Bakır (Cu), Baryum (Ba), Berilyum (Be), Bor (B), Cıva (Hg), Çinko (Zn), Demir (Fe), Fosfor (P), Gümüş (Ag), Kadmilyum (Cd), Kalay (Sn), Kalsiyum (Ca), Kobalt (Co), Krom (Cr), Kurşun (Pb), Lityum (Li), Magnezyum (Mg), Manganez (Mn), Molibden (Mo), Nikel (Ni), Potasyum (K), Selenyum (Se), Seryum (Cr), Silika (SiO ₂), Sodyum (Na), Stronsiyum (Sr), Talyum (Tl), Tıtanyum (Ti), Vanadyum (V) Tayini Ön İşlem: Mikrodalga Asidik Özütleme Ölçüm: ICP OES Metodu	EPA 3051 A EPA 200.7

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	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Denej Laboratuvarı		
Adresi: KALZİMİYE MAH. SALİH ÖMÜRATAK CAD. NO 23115 ÇORLU TEKRİRBAĞI / Türkiye		Telefon: +90 282 853 4488 Fax: E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:
Sediment	Civa (Hg) Tayini Ön İşlem: Mikrodalga Asidik Özütleme Ölçüm: ICP OES Metodu	EPA 3051 A
Sediment	Poliklorübenilenlerin (PCBs) Tayini (28, 52, 101, 118, 153, 138, 180) Ön İşlem: Mikrodalga ile Ekstraksiyon Metodu Ön İşlem: Silika Jel Temizleme Ölçüm: GC-ECD Metodu	EPA 3546 EPA 3630 C EPA 8082 A
Sediment	Organoklorlu Pestisitlerin Tayini (Aldrin, α -BHC, β -BHC, γ -BHC (Lindane), δ -BHC, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endosulfansulfate, Endrin, Endrinaldehide, Heptachlor, Heptachlorepoide, Methoxychlor) Ön İşlem: Mikrodalga ile Ekstraksiyon Ön İşlem: Silika Jel ile Temizleme Ölçüm: GC/ECD Metodu	EPA 3546 EPA 3630 C EPA 8081 B
Sediment	C ₁₀ -C ₄₂ Aralığındaki Hidrokarbonların Tayini Ön İşlem: Numune Hazırlama Ön İşlem: FMS/ASE/Sokset Ekstraksiyon Ön İşlem: Florisil Temizleme Ön İşlem: Silikajel Temizleme Ölçüm: GC-FID Metodu	TS ISO 14507 TS EN 14039
Sediment	Toplam Organik Karbon (TOK) Tayini Yüksek Sıcaklıkta Yakma Metodu	TS EN 15936
Sediment	Yanma Kaybı Tayini (550 ± 25)°C Gravimetrik Metot	TS EN 15935
Atık Yağ	Petrol Sıvıları-Elle Numune Alma	TS 900-1 EN ISO 3170
Atık Yağ (İzolasyon Sıvıları)	Yalıtım Sıvıları için Numune Alma	TS EN 60475

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	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Denej Laboratuvarı		
Adresi: KALZİMİYE MAH. SALİH OMURTAK CAD. NO 23115 ÇORLU TEKİRBAĞI / Türkiye		Telefon: +90 282 853 4488 Fax: E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:
Atık Yağ	Bromür, Florür, Klorür, Nütrat, Nitrit, Orto-Fosfat, Sülfat Tayini Ön İşlem: Oksijen-Kalorimetre Metodu Ölçüm: IC Metodu	EPA 5050 EPA 9056 A
Atık Yağ	Arsenik (As), Kadmıyım (Cd), Krom (Cr), Kurşun (Pb) Tayini Ön İşlem: Asitle Özütleme Metodu Ön İşlem: Mikrodalga ile Özütleme Metodu Ölçüm: ICP-OES Metodu	EPA 3051 A EPA 200.7
Atık Yağ (izolasyon Sıvıları)	Parlama Noktası Tayini Kapalı Kap Metodu	ASTM D93
Atık Yağ	PCB (Poliklorlu Bifeniller) Tayini PCBs (18, 28, 31, 44, 52, 101, 118, 138, 149, 153, 170, 180, 194) Ön İşlem: Sülfürük Asit Temizleme Ölçüm: GC-ECD Metodu	TS EN 12766-1 TS EN 12766-2
Baca Gazı	Sabit Kaynak Emisyonları-Tanecikli Maddenin Kütle Derişiminin Tayini (20-1000 mg/m ³) Gravimetrik Metot	TS ISO 9096
Baca Gazı	Sabit Kaynak Emisyonları-Tozun Düşük Aralıktaki Kütle Derişiminin Tayini (5-50 mg/m ³) Gravimetrik Metot	TS EN 13294-1
Baca Gazı	Sabit Kaynak Emisyonları-Baca İçi Örnekleme ile Toz Emisyon Miktarının Tayini Gravimetrik Metot	EPA Metot 17
Baca Gazı	Sabit Kaynak Emisyonları-Baca Dışı Örnekleme ile Toz Emisyon Miktarının Tayini Gravimetrik Metot	EPA Metot 5
Baca Gazı	Sabit Kaynak Emisyonları-Duman Yoğunluğunun (İstilik) Tayini Bacharach Metodu	TS 9503 *

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	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deneç Laboratuvarı		
Adresi: KALZİMİYE MAH. SALİH ÖMÜRTAŞ CAD. NO 22115 ÇORLU TEİRSBAĞI Türkiye	Telefon: +90 282 853 4488 Fax: E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:	
Baca Gazı	Sabit Kaynak Emisyonları-Azot Monoksit (NO), Azot Dioksit (NO ₂) ve Azot Oksit (NO _x) Emisyonlarının Tayini Elektrokimyasal Hücre Metodu	EPA CTM 022 *
Baca Gazı	Sabit Kaynak Emisyonları-Karbonmonoksit (CO) ve Karbondioksit (CO ₂) Kütle Derişimlerinin Tayini Ölçüm: Elektrokimyasal Hücre Metodu Ölçüm: Kızılötesi Absorpsiyon Metodu Ölçüm: Hesaplama Metodu	TS ISO 12039 *
Baca Gazı	Sabit Kaynak Emisyonları-Kükürdiksit (SO ₂) Kütle Derişiminin Tayini Ölçüm: Elektrokimyasal Hücre Metodu Ölçüm: Kızılötesi Absorpsiyon Metodu	TS ISO 7935 *
Baca Gazı	Sabit Kaynak Emisyonları-Sülfürik Asit (H ₂ SO ₄) Buharı, Sülfür Trioksit (SO ₃), Kükürt Dioksit (SO ₂) Miktarının Tayini Titrimetrik Metot (Baryum-Thorin)	EPA Metot 8
Baca Gazı	Sabit Kaynak Emisyonları-Petrol Rafinelerinde Yakıt Gazlarındaki Hidrojen Sülfür (H ₂ S) Tayini Titrimetrik Metot	EPA Metot 11
Baca Gazı	Sabit Kaynak Emisyonları-Baca Gazında Nem Tayini Ölçüm: Volumetrik Metot Ölçüm: Gravimetrik Metot	EPA Metot 4
Baca Gazı	Sabit Kaynak Emisyonları- Yaş-Kuru Termometre Metodu ile Nem Tayini (≤100 °C baca sıcaklığı için)	İşletme İçi Metot- "TLM-EMS-03/00" (EPA Metot 4 Standartı/Yayından modifiye edilmiştir.)
Baca Gazı	Sabit Kaynak Emisyonları-Nem Probu ile Nem Tayini (≤180 °C baca sıcaklığı için)	İşletme İçi Metot- "TLM-EMS-03/00" (EPA Metot 4 Standartı/Yayından modifiye edilmiştir.)
Baca Gazı	Sabit Kaynak Emisyonları-Bacalarda Gaz Akış Hız ve Debi Tayini Ölçüm: L Tipi Pülot Tüpü Ölçüm: S Tipi Pülot Tüpü	TS ISO 10780 *
Baca Gazı	Sabit Kaynak Emisyonları-Bacalarda Gaz Akış Hız ve Debi Tayini S Tipi Pülot Tüpü	EPA Metot 2 *

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	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deneş Laboratuvarı		
Adres: KALZİMİYE MAH. SAHİH ÖMURTAK CAD. NO 22/15 ÇORLU TEŞİŞAĞI Türkiye	Telefon: +90 282 853 4488 Fax: E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:	
Baca Gazı	Sabit Kaynak Emisyonları-Gaz Halindeki Her Bir Organik Bileşimin Kütle Derişiminin Tayini (2-Bütanon, 1,2,4-Trimetilbenzen, Metilketon, Klorbenzenler (1,2-Diklorbenzen, 1,4-Diklorbenzen), İzopropenilbenzen, Klor İoklen, 1,2-Dibrometan, Tribromometan, Stiren, 1,3,5-Trimetilbenzen, 1,4- Diklorbenzen, 1,2 diklorbenzen, İzopropilbenzen, n-propilbenzen, 1,2-Dibromometan, Dietileter, n-Hegzan, n-Heptan, n-Pentan, Bromoklorometan, Bromodiklorometan, Tetraklorometan, İsopropil ether, İsopropil glisidil ether, Aseton, Sikloheksanon, Dişobütil ketone, 2-Hegzanone, Metil isobütil keton, 2-Pentanon, Kamphor, Etil bütil keton, Metil oksit, 5-Metil-3-heptanon, Metil n-amil keton, Metil asetat, Metil akrilat, Metilal, Metil klorür, Metil sikloheksanol, Metil sikloheksanon, Metil t-bütileter, Metil iyodür, Karosin, Petrol eteri, N-Metil-2-pirolidon, Fenileter, Fenil glisidil ether, Propilensülfid, Pridin, Limonene, a-Pinen, 6-Pinen, 3-Karen, 1,1,2,2-Tetrakloro-1,2-Difloroetan, Tetrahidrofuran, 1,1,2-Trikloro-1,2,2-Trifloroetan, Trifloro bromometan, Turpentine, Vinilbromür, Vinilklorür, 1,1-Dikloroetan (viniliden klorür), Kloroform (Triklorometan), Karbonetriklorür, 1,1-Dikloroetan (Etilenklorür), 1,2-Dikloroetan, 1,1-Dikloroetilen, 1,1,1-Trikloroetan, 1,1,2-Trikloroetan, Trikloroetilen, 1,1,2,2-Tetrakloroetan, Tetrakloroetilen, Klorobenzen, o-Diklorobenzen, 1,2-Dikloropropan, Etilensülfid, 2-Bütoksietanol, 2-Bütoksietil asetat, 2-Etoksietil asetat, 2-Metoksietil asetat, Toluen, Aseton siyanohidrin, Asetikasit, Asetonitril, t-Bütüilalkol, İsopropilalkol, Etanol (Etil alkol), n-Bütüil alkol, İsobütüilalkol, sec-Bütüilalkol, n-propanol, Alil alkol, İsoamil alkol, Metil isobütil karbinol, Sikloheksanol, Diaseton alkol, 2-Etoksietanol, 2-Metoksietanol, Bütadien, Bütil glisidil ether, 6-Kloropren, Dikloro diflorometan, 1,2-Dikloro tetrafloroetan, Kloro difluorometan, Dikloro florometan, 1,1-Dikloro-1-Nitroetan, Difloro dibromometan, Dioksan, Epiklorohidrin, n-Amyl asetat, n-Bütüil asetat, Etilakrilat, Metil isoamil asetat, n-Propil asetat, İsobütil asetat, sec-Amil asetat, sec-Bütüilasetat, İsoamil asetat, Etilasetat, Etilbromür, Etilklorür, Etilen klorohidrin, Etilen dibromür, Etilether, Etilformat, Florotrikloro metan, Glisidol, Benzen, Toluen, Pentane thro' Oidan, Sikloheksan, Sikloheksen, Metilsikloheksan, Sumen, Naftalin, a-Metilstiren, Stiren, Viniltoluene, p-İerl-Bütüiltoluene, Etilbenzen, Ksilen, Tetrahloroetilen, p-Diklorobenzen, Bromoform, Metil kloroform, Klorobromometan, 1,2-Dikloroetilen, Etilen diklorür, Hegzakloroetan, 1,2,3-Trikloropropan, İsofheron, Diklorometan, Karbonsülfür, Akrlonitril)	TSE CEN/TS 13649
Baca Gazı	Sabit Kaynak Emisyonları-HCl Otarak Tanımlanan Gaz Halindeki Klorürlerin Kütle Konsantrasyonunun Tayini Ölçüm: Spektrofotometrik Metot Ölçüm: İyon Kromatografi Metodu	TS EN 1911
Baca Gazı	Sabit Kaynak Emisyonları-Toplam Flor (F) Mikdarının Tayini Spektrofotometrik (SPADNS-Zirkonyum) Metodu	EPA Metot 13 A
Baca Gazı	Sabit Kaynak Emisyonları-Hidrojen Halid ve Halojenlerin (HCl, HF) Tayini Numune Alma: İsokinetik Metot Ölçüm: İC Metodu	EPA Metot 26 A
Baca Gazı	Sabit Kaynak Emisyonları Arsenik (As), Kadmiyum (Cd), Krom (Cr), Kobalt (Co), Bakır (Cu), Manganez (Mn), Nikel (Ni), Kurşun (Pb), Antimon (Sb), Talyum (Tl) ve Vanadyum (V) Tayini Ön İşlem: Özütleme Ölçüm: İCP-MS Metodu Ölçüm: İCP-OES Metodu Ölçüm: AAS Metodu	TS EN 14385
Baca Gazı	Sabit Kaynak Emisyonları Antimon (Sb), Arsenik (As), Baryum (Ba), Berilyum (Be), Kadmiyum (Cd), Krom (Cr), Kobalt (Co), Bakır (Cu), Kurşun (Pb), Manganez (Mn), Cıva (Hg), Nikel (Ni), Fosfor (P), Selenyum (Se), Gümüş (Ag), Talyum (Tl), Çinko (Zn) Tayini Ön İşlem: Özütleme Ölçüm: İCP-MS Metodu Ölçüm: İCP-OES Metodu Ölçüm: AAS Metodu	EPA Metot 29
Baca Gazı	Sabit Kaynak Emisyonları-Hidrojen Siyanür (HCN) Tayini Spektrofotometrik Metot	CARB 426
Baca Gazı	Sabit Kaynak Emisyonları-Doğal Gaz Kullanan Sabit Kaynaklarda Formaldehit Tayini Spektrofotometrik Metot	EPA Metot 323

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	YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARLARI TİCARET LİMİTED ŞİRKETİ LQS- Laboratory Quality Services	
	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deneş Laboratuvarı		
Adresi: KALZİMİYE MAH. SALİH OMURTAK CAD. NO 22115 ÇORLU TEKRİRBAĞI / Türkiye		Telefon: +90 282 853 4488 Fax: E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:
Baca Gazı	Sabit Kaynak Emisyonlarında Amonyak Tayini İyon Seçici Elektrot Metodu	SCAOMD Metot 207.1
Baca Gazı	Sabit Kaynak Emisyonları-Baca Gazlarında Düşük Derişimlerde Bulunan Gaz Halindeki Toplam Organik Karbonun Kütle Derişiminin Tayini FID Analizörü	TS EN 12619 *
Baca Gazı	Metal Örnekleme ve Tayini (CaO, MgO) Ölçüm 3CP OES Metodu	İşletme İçin Metot- "TLM-EMS-12/00" *
İmisyon (Çevre Havası)	Azıdaki Taneçikli Madde PM10 Kesrinin Tayini Gravimetrik Metot	EPA 40 CFR 50 AppJ
İmisyon (Çevre Havası)	Çöken Toz Tayini Gravimetrik Metot	TS 2342
Titreşim	Medencilik Faaliyetleri Sonucunda Oluşan Hava Şoku ve Yer Titreşiminin Ölçülmesi (a, v)	TS 10354
Titreşim	Binalarda Titreşimin Ölçülmesi ve Yapı Hasarının Tespiti (tr, a, v)	TS ISO 4866
Akustik-Gürültü	Akustik-Çevre Gürültüsünün Tanfı, Ölçülmesi ve Değerlendirmesi - Bölüm 1: Temel Büyüklükler ve Değerlendirme İşlemleri	TS ISO 1996-1

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

INCOMAR INSPECTION EXPERTISE SERVICES CO.LTD.

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	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deney Laboratuvarı		
Adresi:	KALZIMİYE MAH. SALİH OMURTAK CAD. NO 22115 ÇORLU TEKİRBAĞI / Türkiye	Telefon: +90 282 853 4488 Fax: E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi:
Akustik-GÜRÜBÜ	Çoklu GÜRÜBÜ Kaynağına Sahip Sanayi Testlerinde Yapılan Ses Basıncı Düzeyi Ölçümlerinden Ses Gücü Düzeyinin (ΔL_p , ΔL_r , $\Delta L_{A,r}$, ΔL_c , L_{pA} , L_w) Tespiti	TS ISO 8297

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	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deney Laboratuvarı		
Adresi: KAZIMİYE MAH. SALİH OMURTAK CAD. NO 22115 ÇORLU TEKİRBAĞ I / Türkiye		Telefon: +90 282 853 4488 Faks: - E-Posta: kalite@yesilbeyazcevre.com.tr Web Sitesi: -
Akustik-Gürültü	Sesin Dışarıda Yayılırken Azalması - Bölüm 2: Genel Hesaplama Yöntemi	TS ISO 9613-2
Akustik-Gürültü	Akustik-Çevresel Gürültünün Tanımı, Ölçümü ve Değerlendirilmesi - Bölüm 2: Ses Basıncı Seviyelerinin Belirlenmesi	TS ISO 1996-2

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

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Akreditasyon Sertifikası Eki (Sayfa 23/29)

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	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Denej Laboratuvarı		
Adresi: KALZİMİYE MAH. SALİH ÖMÜRTAŞ CAD. NO 23/15 ÇORLU Teisbağ I Türkiye	Telefon: +90 282 853 4488 Fax: E-Posta Web Sitesi	Adres: KALZİMİYE MAH. SALİH ÖMÜRTAŞ CAD. NO 23/15 ÇORLU Teisbağ I Türkiye
Atık	Fenol İndeksi Tayini Ön İşlem: Katıdan Özütleme Metodu Ön İşlem: Distilasyon Metodu Ölçüm: Spektrofotometrik Metot	TS EN 12457-4 SM 5530 B SM 5530 C
Atık	Çözülmüş Organik Karbon (ÇOK) Tayini Ön İşlem: Katıdan Özütleme Metodu Ölçüm: Yüksek Sıcaklıkta Yakma Metodu	TS EN 12457-4 TS 8195 EN 1484
Atık	BTEX (Benzen, Toluen, Etil Benzen, Ksilen) Tayini Ön İşlem: Headspace Ölçüm: GC-MS Metodu	EPA 5021 A EPA 8260 D
Atık	Poliklorobifenillerin (PCBs) Tayini (28, 52, 101, 118, 153, 138, 180) Ön İşlem: Mikrodalga ile Ekstraksiyon Ön İşlem: Silika jel ile temizleme Ölçüm: GC-ECD Metodu	EPA 3630 C EPA 8082 A EPA 3546
Atık	Organoklorlu Pestisitlerin Tayini (Aldrin, α -BHC, β -BHC, γ -BHC (Lindane), δ -BHC, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endosulfansulfate, Endrin, Endrinaldehide, Heptachlor, Heptachloroepoxide, Methoxychlor) Ön İşlem: Mikrodalga ile Ekstraksiyon Ön İşlem: Silika jel Temizleme Ölçüm: GC-ECD Metodu	EPA 3630 C EPA 8081 B EPA 3546
Arıtma Çamuru	Alüminyum (Al), Antimon (Sb), Arsenik (As), Bakır (Cu), Baryum (Ba), Berilyum (Be), Bor (B), Çinko (Zn), Demir (Fe), Fosfor (P), Gümüş (Ag), Kadmiyum (Cd), Kalay (Sn), Kalsiyum (Ca), Kobalt (Co), Krom (Cr), Kurşun (Pb), Lityum (Li), Magnezyum (Mg), Manganez (Mn), Molibden (Mo), Nikel (Ni), Potasyum (K), Selenyum (Se), Seryum (Cr), Sodyum (Na), Stronsiyum (Sr), Talyum (Tl), Titiyumu (Ti), Vanadyum (V) Tayini Ön İşlem: Katıdan Özütleme Ön İşlem: Mikrodalga Asidik Özütleme Metodu Ölçüm: ICP OES Metodu	EPA 3051 A EPA 200.7
Arıtma çamuru	Cıva(Hg) Tayini Ön İşlem: Katıdan Özütleme Ön İşlem: Mikrodalga ile Asidik Özütleme Ön İşlem: Otomatik Soğuk Buharlaştırma Metodu Ölçüm: ICP OES Metodu	EPA 3051 A İşleme içi Metot- "TLM-ENST-04, Rev0" (EPA 200.7 ve EPA 245.2)
Arıtma Çamuru	PCB (Poliklorlu Bifeniller) Tayini PCB (28, 52, 101, 118, 138, 153, 180) Ön İşlem: Mikrodalga ile Ekstraksiyon Ön İşlem: Silikajel ile Temizleme Ölçüm: GC-ECD Metodu	EPA 3546 EPA 3630 C EPA 8082 A
Arıtma Çamuru	BTEX (Benzen, Toluen, Etil Benzen, Ksilen) Tayini Ön İşlem: Headspace Ölçüm: GC-MS Metodu	EPA 5021 A EPA 8260 D
Sediment	BTEX (Benzen, Toluen, Etil Benzen, Ksilen) Tayini Ön İşlem: Headspace Ölçüm: GC-MS Metodu	EPA 8260 D EPA 8015 D

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	Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023	
Deneş Laboratuvarı		
Adresi: KALZİMİYE MAH. SALİH ÖMÜRATAK CAD. NO 2315 ÇORLU TEKİRBAĞ / Türkiye		Telefon: +90 282 853 4488 Fax: E-Posta: kalite@yesilbeyazcvre.com.tr Web Sitesi:
Atık Yağ	Klorür (Cl-) Tayini Ön İşlem: Halojenler ve Klorür (Cl-) için Numune Hazırlama Metodu Ölçüm: İyon Kromatografi Metodu	TS EN ISO 10304-1 EPA 5050
Su	Kalaylı Organik Bileşimler (OTC) Tayini (Tribütylin) Ön İşlem: Solventle Ekstraksiyon Ön İşlem: Silikajel Temizleme Ölçüm: GC-MS Metodu	İşletme İçi Metot- "TLM-ENST- 29.Rev02" (ISO 17353'den modifiye edilmiştir.)
Toprak	Toprak Kalitesi-Numune alma- Bölüm 102:Numune Alma tekniklerinin seçimi ve uygulanması	TS ISO 18400-102 TS ISO 18400-105 TS ISO 18400-203
Deniz Suyu	Toplam Organik Karbon (TOK) Yükseltgenme Metodu	TS 8195 EN 1484
Atıksu	Serbest Klor Tayini Spektrofotometrik Metot	SM 4500-Cl G
Su	Hidrokarbon Yağ İndeksi Tayini Ön İşlem: Florisil Temizleme Ölçüm: GC-FID Metodu	TS EN ISO 9377-2
Su	Hidrokarbon Yağ İndeksi Tayini Ön İşlem: Mikro Ayırıcı Ölçüm: GC-FID Metodu	TS EN ISO 9377-2
Atıksu	Yüzey Aktif Madde (MBAS) Tayini Ön İşlem: Sublimation Aparatı ile Ayırma Ölçüm: Spektrofotometrik Metot	SM 5540 B SM 5540 C
Atıksu	Toplam Klor Tayini Spektrofotometrik Metot	SM 4500-Cl G
Atıksu	Bağlı Klor Tayini Spektrofotometrik Metot	SM 4500-Cl G

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			Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023		
İş Hijyeni Ölçüm, Test ve Analizleri					
Deneyi Yapılan Matzemeler / Ürünler	Deney Adı	Deney Metodu (Ulusal, Uluslararası Standartlar, İşletme-içi Metotlar)			
İş Hijyeni Uçucu Organik Bileşikler	Uçucu Organik Bileşiklerin Tayini (Bu kapsamda talep edilen bileşik isimleri açık olarak yazılacaktır.) Numune Alma: Pompa ile Sorbent Tüpe Numune Alma Ön İşlem: Çözücü Desorpsiyonu Ölçüm: GC-FID/GC-MS/GC-ECD Metodu	TS ISO 16200-1			
İş Hijyeni Dedektör Tüpü Gaz Ölçümü	Zehirli Gaz veya Buhar Konsantrasyonlarının Tayini (Bu kapsamda talep edilen bileşik isimleri açık olarak yazılacaktır.) Numune Alma ve Ölçüm: Dedektör Tüpü Anlık Ölçüm Numune Alma ve Ölçüm: Pompa ve Dedektör Tüpü Uzun Vadeli Aktif Ölçüm Numune Alma ve Ölçüm: Dozimetre Tüpü ile Uzun Vadeli Pasif Ölçüm	ASTM D4490-96			
İş Hijyeni Formaldehit	Formaldehit (CH ₂ O) Tayini Numune Alma: Pompa ile Filtre+Midjet Impingera (Standart Nozzle) Numune Alma Ön İşlem: Ekstraksiyon Metodu Ölçüm: Görünür Bölge Absorpsiyon Spektrofotometresi	NIOSH NMA 3500			
İş Hijyeni Amonyak	Amonyak (NH ₃) Tayini Numune Alma: Pompa ile Sorbent Tüpe Numune Alma Ön İşlem: Çözücü Desorpsiyonu Ölçüm: Görünür Bölge Absorpsiyon Spektrofotometresi	NIOSH NMA 6015			
İş Hijyeni Ağır Metaller	Alüminyum (Al), Antimon (Sb), Arsenik (As), Baryum (Ba), Berilyum (Be), Bor (B), Kadmiyum (Cd), Kalsiyum (Ca), Krom (Cr), Kobalt (Co), Bakır (Cu), Demir (Fe), Kurşun (Pb), Lityum (Li), Magnezyum (Mg), Manganez (Mn), Molibden (Mo), Nikel (Ni), Fosfor (P), Platin (Pt), Potasyum (K), Selenyum (Se), Gümüş (Ag), Sodyum (Na), Stronsiyum (Sr), Tellür (Te), Kalay (Sn), Talyum (Tl), Tityum (Ti), Vanadyum (V), İtiryum (Y), Çinko (Zn), Zirkonyum (Zr) Tayini Numune Alma: Pompa ile Filtreye Numune Alma Ön İşlem: Mikrodalgada Asitle Yakma Ölçüm: ICP-AES Metodu	NIOSH NMA 7302			

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 YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARLARI TİCARET LİMİTED ŞİRKETİ LQS- Laboratory Quality Services Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023		
İş Hijyeni Ağır Metaller	Gümüş (Ag), Alüminyum (Al), Arsenik (As), Baryum (Ba), Berilyum (Be), Kalsiyum (Ca), Kadmiyum (Cd), Kobalt (Co), Krom (Cr), Bakır (Cu), Demir (Fe), Potasyum (K), Lantan (La), Lityum (Li), Magnezyum (Mg), Manganez (Mn), Molibden (Mo), Nikel (Ni), Fosfor (P), Kurşun (Pb), Antimon (Sb), Selenyum (Se), Kalay (Sn), Stronsiyum (Sr), Tellür (Te), Titanyum (Ti), Talyum (Tl), Vanadyum (V), Tungsten (W), İtiryum (Y), Çinko (Zn), Zirkonyum (Zr) Tayini Numune Alma: Pompa ile Filtreye Numune Alma Ön İşlem: Isıtıcı Tablada Asitle Yakma Ölçüm: ICP-AES Metodu	NIOSH NMAM 7300
İş Hijyeni Toz Ölçümü	Toplam Toz Tayini Numune Alma: Pompa ile Filtreye Numune Alma Ölçüm: Gravimetrik Metot	NIOSH NMAM 500
İş Hijyeni Toz Ölçümü	Solunabilir Toz Tayini Numune Alma: Pompa ile Sıkona ve Filtreye Numune Alma Ölçüm: Gravimetrik Metot	NIOSH NMAM 600
İş Hijyeni Alkalın Tozları	Toplam Alkalın Tozlarının Tayini (Sodyum Hidroksit (NaOH), Potasyum Hidroksit (KOH), Lityum Hidroksit (LiOH)) Numune Alma: Pompa ile Filtreye Numune Alma Ölçüm: Titrasyon Metodu	NIOSH NMAM 7401
İş Hijyeni Gürültü	Çalışma Ortamında Maruz Kalınan Gürültünün Ölçülmesi	TS EN ISO 9612
İş Hijyeni Titreşim	Kişilerin Maruz Kaldığı, Elle İletilen Titreşimin Ölçülmesi ve Değerlendirilmesi	TS EN ISO 5349-1 TS EN ISO 5349-2

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İş Hijyeni Titreşim	Tüm Vücutun Titreşime Maruz Kalmasının Ölçülmesi ve Değerlendirilmesi	TS ISO 2631-1 (TS EN 1032+A1 ile birlikte) TS ISO 2631-1/A1
İş Hijyeni Titreşim	Hareketli Makinaların Deneye Tabi Tutulması ile Titreşim Emisyon Değerinin Tespiti	TS EN 1032+A1
İş Hijyeni Aydınlatma	İş Yerlerindeki Aydınlatma/Işık Şiddeti Düzeyinin Ölçümü	COHSR-928-1-IPG-039
İş Hijyeni Termal Konfor	Orta Dereceli Termal Ortamlar için PMV ve PPD İndislerinin Tayini, Termal Rahatlık için Şartların Belirlenmesi	TS EN ISO 7730
İş Hijyeni Termal Konfor	Termal Çevrenin Ergonomisi - WBGT (Islak Ampul Küresel Sıcaklık) Endeksi Kullanılarak Isı Stresinin Değerlendirilmesi	TS EN ISO 7243
İş Hijyeni İnorganik Asitler	Hidroklorik Asit (HCl), Hidrobromik Asit (HBr), Nitrik Asit (HNO ₃) Tayini Numune Alma: Pompa ile Filtreye Numune Alma Ön İşlem: Çözücü Desorpsiyonu Ölçüm: İletkenlik Dedektörlü İyon Kromatografisi	NIOSH NMAM 7907
İş Hijyeni İnorganik Asitler	Uçucu Olmayan Asitlerin Tayini (Sülfirik Asit (H ₂ SO ₄) ve Fosforik Asit (H ₃ PO ₄)) Numune Alma: Pompa ile Filtreye Numune Alma Ölçüm: İletkenlik Dedektörlü İyon Kromatografisi	NIOSH NMAM 7908
İş Hijyeni Katı Malzemeler ve Ürünler İçerisindeki Asbest	Katı Malzemelerde Asbest Tür Tayini ve Analizi (Krizolit, Amosit, Krozidolit, Aktinolit, Antofilit, Tremolit) Numune Alma: Katı Malzemeden Temsil Edici Parça Örnekleme (Eile Numune Alma) Ön İşlem: Homojen Alt Örnek Hazırlama ve Stereo Mikroskop ile Ön Analiz ve Liferli Rİ Sıvısına Gömme Ölçüm: Polarize Işık Mikroskobu (PLM)	ISO 22262- 1

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Akreditasyon Sertifikası Eki (Sayfa 28/29)
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 YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARLARI TİCARET LİMİTED ŞİRKETİ LQS- Laboratory Quality Services Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023		
Kimyasallar ve Kimyasal Ürünler		
Deneyi Yapılan Matzemeler / Ürünler	Deney Adı	Deney Metodu (Ulusal, Uluslararası Standartlar, İşletme-içi Metotlar)
Gemi Yapı ve Ekipman Materyalleri (Boya, Boya Katmanı, Polimerik Malzeme)	Poliklorübilenlerin (PCBs) Tayini PCB (28, 52, 101, 118, 138, 153, 180) GC/ECD Metodu	İşletme İçi Metot-“TLM-ENST-21 Rev.01” (EPA 3546, EPA 3630 C, EPA 8082 A'dan Modifiye)
Gemi Yapı ve Ekipman Materyalleri (Boya, Boya Katmanı, Polimerik Malzeme)	Ozon Tabakasını İncelten Maddeler (ODS) (Bromoklorometan, Carbon tetrachloride, 1,1,1-trichloroethane) GC/MS-Headspace Metodu	EPA 5021 A EPA 8260 D
Gemi Yapı ve Ekipman Materyalleri (Boya, Boya Katmanı, Polimerik Malzeme)	Hexabromocyclododecane (HBCDD) GC/ECD ve GC/MS Metodu	İşletme İçi Metot-“TLM-ENST-25 Rev.01” (EPA 8270 E, EPA 3546 C'den Modifiye)
Gemi Yapı ve Ekipman Materyalleri (Boya, Boya Katmanı, Polimerik Malzeme)	Ağır Metal Tayini Kadmium(Cd), Krom (Cr), Kurşun (Pb), Kalay (Sn) ve Bileşikleri Ön İşlem: Mikrodalga ile Özütleme Ölçüm: ICP/OES Metodu	EPA 3051 A EPA 3031 EPA 200.7
Gemi Yapı ve Ekipman Materyalleri (Boya, Boya Katmanı, Polimerik Malzeme)	Ağır Metal Tayini Kadmium(Cd), Krom (Cr), Kurşun (Pb) ICP/OES Metodu	TS EN 62321-5
Gemi Yapı ve Ekipman Materyalleri (Boya, Boya Katmanı, Polimerik Malzeme)	Krom VI ve Bileşikleri Tayini UVVIS Spektrofotometre Metodu	TS EN 62321-7-2
Gemi Yapı ve Ekipman Materyalleri (Boya, Boya Katmanı, Polimerik Malzeme)	Poliklorü Nafalınlar (PCN) Tayini (PCN 13, 28, 52, 66, 73, 75) GC/ECD Metodu	İşletme İçi Metot-“TLM-ENST-23 Rev.01” (EPA 3546 C, EPA 8270 E'den Modifiye)
Gemi Yapı ve Ekipman Materyalleri (Boya, Boya Katmanı, Polimerik Malzeme)	Polibromlu Bifeniller (PBB) Tayini (PBB No: 1, 2, 3, 4, 7, 9, 10, 15, 18, 26, 29, 30, 31, 38, 49, 52, 53, 80, 101, 103, 153, 155, 209) GC/ECD ve GC/MS Metodu	İşletme İçi Metot-“TLM-ENST-27 Rev.01” TS EN 62321-6'dan Modifiye TS EN 62321-6

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müdemisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

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PEACE OF MIND

Akreditasyon Sertifikası Eki (Sayfa 29/29)

Akreditasyon Kapsamı

 <p>TÜRKAKB T.C. EKİŞİTİM VE GENEL YETERLİLİK BAKANLIĞI AK-0220-T</p>	<p>YEŞİL BEYAZ KALİTE VE ÇEVRE ANALİZ LABORATUVARLARI TİCARET LİMİTED ŞİRKETİ LQS- Laboratory Quality Services</p> <p>Akreditasyon No: AB-0220-T Revizyon No: 19 Tarih: 26.08.2023</p>	
<p>Gemi Yapı ve Ekipman Materyalleri (Boya, Boya Katmanı, Polimerik Malzeme)</p>	<p>Polibromlu Difenil Eterler (PBDE) Tayini (2-Bromodifenil eter BDE-1, 3-Bromodifenil eter BDE-2, 4-Bromodifenil eter BDE-3, 2,4-Dibromodifenil eter BDE-7, 2,6-Dibromodifenil eter BDE-10, 4,4'-Dibromodifenil eter BDE-15, 2,2',4'-Tribromodifenil eter BDE-17, 2,4,4'-Tribromodifenil eter BDE-28, 2,4,6-Tribromodifenil eter BDE-30, Tetrabromodifenil eter BDE-47, 2,2',4,5'-Tetrabromodifenil eter BDE-49, 2,3',4,4'-Tetrabromodifenil eter BDE-66, 2,3',4',6-Tetrabromodifenil eter BDE-71, 3,3',4,4'-Tetrabromodifenil eter BDE-77, 2,2',3,4,4'-Pentabromodifenil eter BDE-85, 2,2',4,4',5'-Pentabromodifenil eter BDE-99, 2,2',4,4',6-Pentabromodifenil eter BDE, 2,3',4,4',6-Pentabromodifenil eter BDE-119, 3,3',4,4',5-Pentabromodifenil eter BDE-126, 2,2',3,4,4',5'-Hexabromodifenil eter BDE-138, 2,2',3,4,4',6'-Hexabromodifenil eter BDE-139, 2,2',3,4,4',6'-Hexabromodifenil eter BDE-140, 2,2',4,4',5,5'-Hexabromodifenil eter BDE-153, 2,2',4,4',5,6'-Hexabromodifenil eter BDE-154, 2,3,3',4,4',5-Hexabromodifenil eter BDE-156, 3,3',4,4',5,5'-Hexabromodifenil eter BDE-169, 2,2',3,3',4,4',6-Heptabromodifenil eter BDE-171, 2,2',3,4,4',5,5'-Heptabromodifenil eter BDE-180, 2,2',3,4,4',5',6-Heptabromodifenil eter BDE-183, 2,2',3,4,4',6,6'-Heptabromodifenil eter BDE-184, 2,3,3',4,4',5',6-Heptabromodifenil eter BDE-191, 2,2',3,3',4,4',5,5'-Octabromodifenil eter BDE-196, 2,2',3,3',4,4',5,6'-Octabromodifenil eter BDE-197, 2,2',3,3',4,4',5,6'-Octabromodifenil eter BDE-201, 2,2',3,4,4',5,5',6-Octabromodifenil eter BDE-203, 2,2',3,4,4',5,6,6'-Octabromodifenil eter BDE-204, 2,3,3',4,4',5,5',6-Octabromodifenil eter BDE-205, 2,2',3,3',4,4',5,5',6'-Nonabromodifenil eter BDE-206, 2,2',3,3',4,4',5,6,6'-Nonabromodifenil eter BDE-207, 2,2',3,3',4,5,5',6,6'-Nonabromodifenil eter BDE-208, Decabromodifenil eter BDE-209, Decabromodifenylethane (DBDPE) GC/ECD ve GC/MS Metodu</p>	<p>İşletme İçerisi Metot-TLM-ENST-27 Rev 01 TS EN 62321-6'dan Modifiye TS EN 62321-6</p>

Bu belge 5070 sayılı elektronik imza kanununa göre Gülden Banu Müderrisoğlu tarafından güvenli elektronik imza ile imzalanmıştır. E-İmzalı belgeyi doğrulamak için QR kodunu kullanabilirsiniz.

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