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CAMPOS ELISEOS 400, OF 1102
COL. LOMAS DE CHAPULTEPEC, MIGUEL HIDALGO
CIUDAD DE MEXICO
11000 7

Your Ref.: H-94-2024-02/0006

Our Ref : MX2402220-GM
Date :20th February 2024

Supervision Report

We give below details of a material described as "**Cananea Copper Concentrates**" which was weighed, loaded, sampled, tested for moisture content and prepared in the presence of our representatives.

General Details

Advised Material	Cananea Copper Concentrates
Advised Weight	11,000 WMT Lot H0006
Vessel	MV "LESEDI QUEEN "
Material Location in Vessel	Hold 5
Supplier	Grupo Mexico
Buyer	TONGLING
Load Port	Guaymas, Mexico
Discharge Port	Jinzhou, China
Vessel Arrived	February 14th, 2024, at 08:48 hrs. LT
Vessel Berthed	February 14th, 2024, at 10:12 hrs. LT
Loading Commenced	February 15th, 2024, at 18:18 hrs. LT
Loading Completed	February 16th, 2024, at 13:40 hrs. LT
Sample Preparation	February 15th to 17th, 2024
Sample Sealing Date	February 17th , 2024

Lot H0006	Hold Nr. 05
Net Wet Weight (WMT)	**10,849.400**
Moisture (%)	**8.14743**
Net Dry Weight (DMT)	**9,936.158**

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Cargo Condition

The material was found stockpiled at Grupo Mexico Terminal, Guaymas inside the warehouse and API yards. The warehouse is located inside Guaymas Port Terminal approximately 600 m away from the berth. This warehouse has a maximum capacity of 80,000mt. Stockpile sampling per FMP/TML testing was performed by ALS staff, February 13st, 2024, as per the verbal notification of the Grupo Mexico representative.

Our surveyor attended at the shipper's stockpile prior to the loading operations and observed that the cargo was in bulk form and ready for loading. No apparent contamination or impurities were observed as far as visibly accessible.

Lot H0006





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Loading operation and conveyor details:

The material was transported by open dump trucks from the warehouse (stockpile) to the mobile conveyor belts. Afterwards, the material was loaded directly into the vessel's holds at an average speed of around 500 WMT/hr for each of the conveyors. Any cargo spillages were recovered from the quay side.

During the loading operations, there were not stoppages registered.

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Loading operation and conveyor details: H-0006

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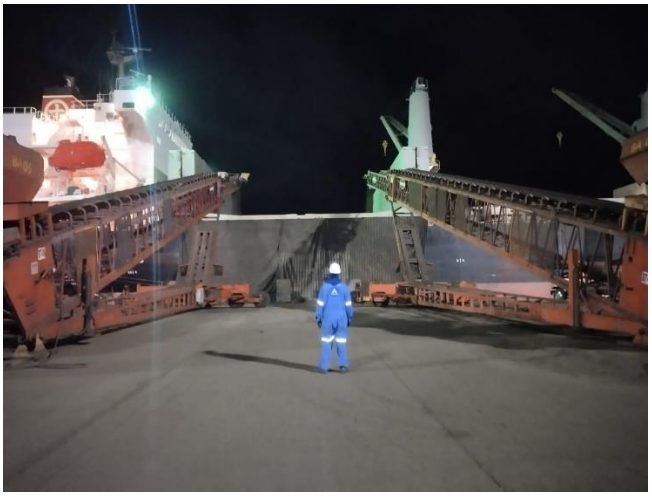
Loading operation and conveyor details: H-0006



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Loading trucks operation in: API Yards lot H-0006

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Scale Weighing

The official weight of the cargo loaded on board the vessel was ascertained using a Shore Scale with the following details:

Mark	: Revuelta
Model	: ERCC
Serial Number	: 86611C1280
Location	: API Terminal
Máximum Capacity	: 80 MT
Last Calibration	: February 13 th, 2024

Mark	: METTLER TOLEDO
Model	: IND 780 HARSH
Serial Number	: B436007829
Location	: TMG Warehouse
Máximum Capacity	: 100,000 kg
Last Calibration	: February 13 th, 2024

ALS Inspectors were in attendance at all times at the Shore Scale.

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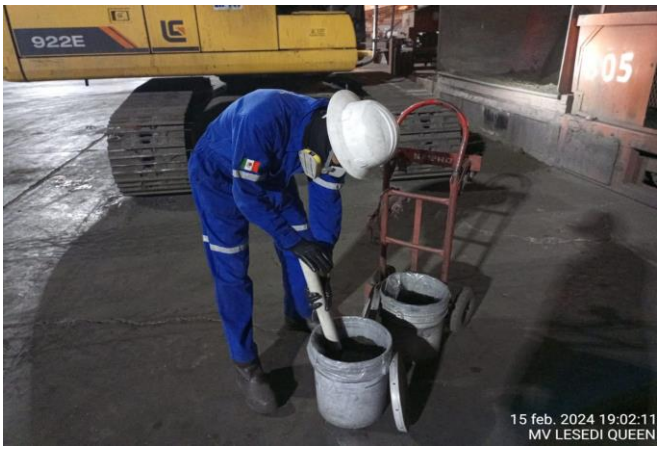
Sampling for moisture determination and quality preparation by ALS Staff H-0006

In order to determine the moisture content of the cargo loaded, samples were initially taken manually by ALS personnel from the mobile conveyor belts separately for each hold.

At the sampling point for each truck of approximately 20 WMT, 9 increments with the minimum quantity of 500g each (3 at the beginning, 3 in the middle and 3 at the end) were taken from the mobile conveyor belt for every truck discharging, using a JIS scoop No. 30. These increments were emptied into a plastic bag placed inside a plastic bucket. Samples of approximately 90-100 kg were collected representing each 500 WMT lot.

This primary sample per lot is reduced by means of spear reduction, taking 7 and 9 increments from the gross sample until obtaining approximately 15kg sample, which is collected in a polyethylene bag, sealed with tape, labelled, and taken to the TGM laboratory, which is approximately 1 km from the sampling site. Samples are transported from the sampling site to the lab by means of a GM Truck.

During the sampling operations ALS inspectors ensured there was no mixing of material, and lots were kept separate.



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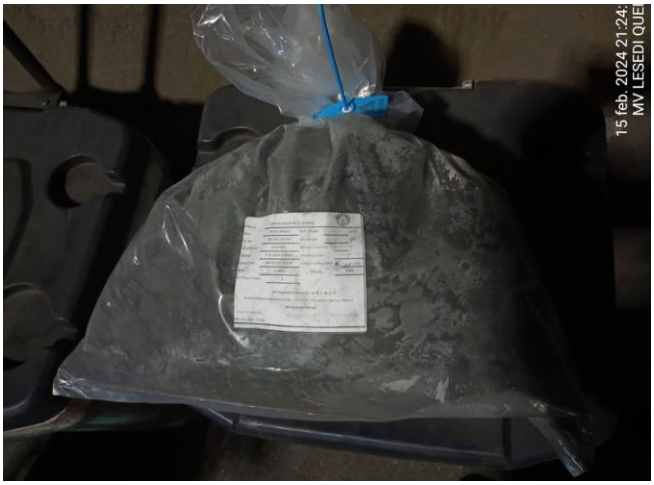
Sampling for moisture determination and quality preparation by ALS Staff H0006:



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Witnessing Moisture determination in TGM Laboratory Lot H0006:

Moisture determination is performed by TGM laboratory personnel under the full supervision of ALS Inspection.

Before weighing the samples, the empty trays were weighed for tare. Each bag containing the sample collected per 500 WMT lot was poured over a plastic sheet and homogenized. Afterwards, this homogenized sample was reduced by the 4x5 increment division method using a JIS scoop No. 5 to 3 x approx. 2kg which are placed into a tray each. The 3 trays are then placed into the oven for drying.

Trays dimensions are:

- Length: 35 cms
- Width: 15 cms
- Height: 5 cms
- The sample to be spread to a thickness of less than 30mm

Prior to use, the oven temperature is set at 105°C+/-5 °C, and its temperature is controlled by means of a thermometer. This control is carried out at 08:00 hours, 12:00 hours and 16:00 hours. Further controls can be conducted if the operator deems it necessary in addition to the mandatory intervals mentioned above.

The trays were put into the oven without continuous forced ventilation at 105 °C +/- 5 °C, for 12 hours, after this time the sample was weighed and placed in the oven again for an additional 1 hour to reach constant weight. Each tray sample was weighed before and after drying in the oven. After completion of the drying process, the moisture percentage of each tray sample was obtained by calculating the difference between the wet and dry weight. The average of the samples was applied per lot.

The samples were weighed hot with the trays taken directly from the oven.

During moisture determination ovens are sealed by ALS Inspection and all moisture data is recorded.

The final moisture of 500 WMT lot samples was calculated by averaging the moistures from the 3 trays.

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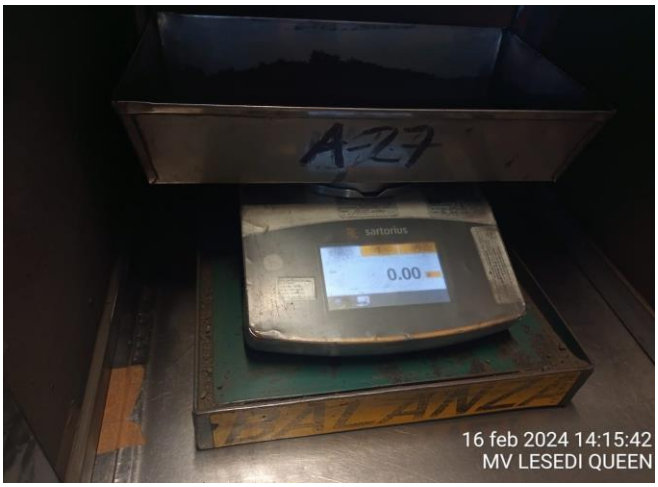

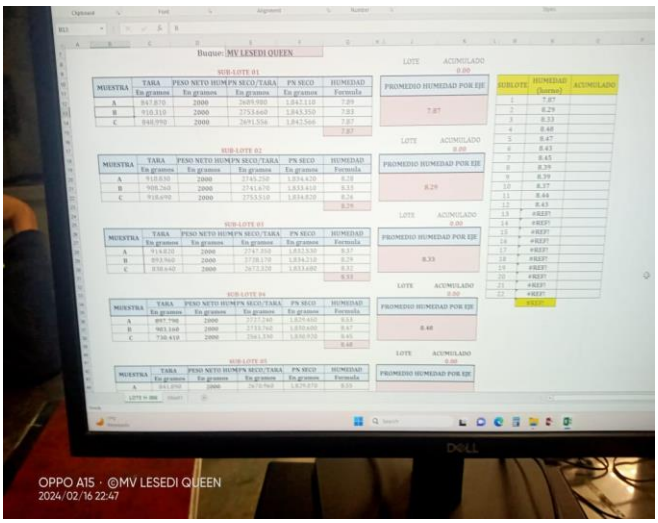

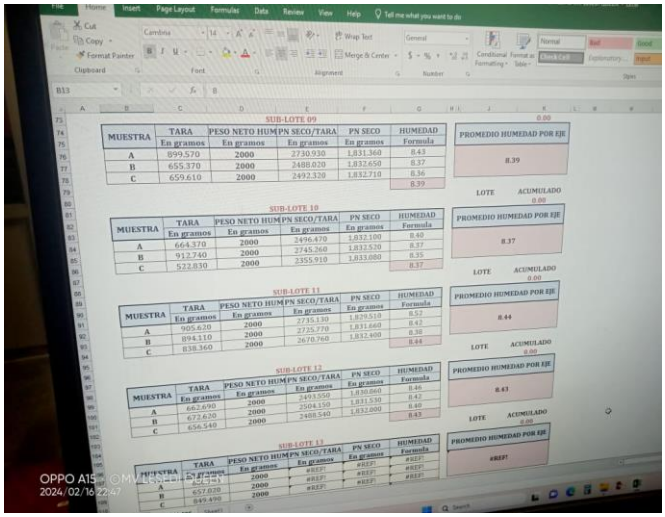

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Equipment for moisture determination

DRYING OVEN	OVEN No. 3
Brand	SHEL LAB
MANUFACTURER*	USA
SERIAL NR.	03002717
MEASUREMENT RANGE	T= -50°C TO 260°C
TESTING COMPANY	Metrología y pruebas SA de CV
STATUS	OPERATIVE
LAST CALIBRATION	January 20, 2024

ELECTRONIC SCALE	Sartorius
MODEL	QUINTIX5101-1S
SERIAL NUMBER	0036450067
MINIMUM GRADUATION	0.1 g.
MAXIMUM CAPACITY	5.1000 g.
TESTING COMPANY	Mettler Toledo
LAST CALIBRATION	January 20, 2024

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Lot by lot weight and moisture results as below:

LOT H0006 in Hold 5

SUB LOT	CLIENT REFERENCE N.	WMT	MOISTURE		DMT
			(%)	(MT)	
1	H-94-2024-02/0006	510.130	7.87000	40.147	469.983
2	H-94-2024-02/0006	496.940	8.29000	41.196	455.744
3	H-94-2024-02/0006	495.460	8.33000	41.272	454.188
4	H-94-2024-02/0006	509.830	8.48000	43.234	466.596
5	H-94-2024-02/0006	506.310	8.47000	42.884	463.426
6	H-94-2024-02/0006	488.100	8.43000	41.147	446.953
7	H-94-2024-02/0006	507.570	8.45000	42.890	464.680
8	H-94-2024-02/0006	485.930	8.39000	40.770	445.160
9	H-94-2024-02/0006	495.920	8.39000	41.608	454.312
10	H-94-2024-02/0006	517.440	8.37000	43.310	474.130
11	H-94-2024-02/0006	492.470	8.44000	41.564	450.906
12	H-94-2024-02/0006	496.810	8.43000	41.881	454.929
13	H-94-2024-02/0006	506.640	8.66000	43.875	462.765
14	H-94-2024-02/0006	496.350	8.67000	43.034	453.316
15	H-94-2024-02/0006	501.870	8.65000	43.412	458.458
16	H-94-2024-02/0006	510.800	8.76000	44.746	466.054
17	H-94-2024-02/0006	483.590	9.09000	43.958	439.632
18	H-94-2024-02/0006	494.830	8.77000	43.397	451.433
19	H-94-2024-02/0006	493.940	8.63000	42.627	451.313
20	H-94-2024-02/0006	506.070	7.89000	39.929	466.141
21	H-94-2024-02/0006	516.580	7.73000	39.932	476.648
22	H-94-2024-02/0006	335.820	7.87000	26.429	309.391
Totals		**10,849.400**	**8.41743**	**913.242**	**9,936.158**

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Witnessing Sample Preparation in TGM Lab Lot H0006

Final quality sample preparation is performed by TGM laboratory personnel, fully supervised by ALS Inspection.

The dried samples per lot were combined and placed in a cone homogenizer containing two ½ "diameter stainless steel balls for approx. 15 mins in order to mix and pulverize the material. This process is repeated for all lot samples.

At this stage, portions of all lot samples are taken in proportion to create composite samples for each consignment.

Each lot sample is then reentered into the cone homogenizer without the stainless-steel balls for a period of approx. 15 mins. The mixed material is subsequently reduced by riffle divider to approximately 2500g and screened over a 100 mesh sieve. Any oversize was finely ground until all passed the 100-mesh sieve. Final quality samples of approx. 250g each are then prepared by the increment division method. The final samples were all placed inside aluminium sample bags, hermetically heat sealed and further enveloped into properly labelled sample envelopes.

Total 8 sets each composite per lot samples were prepared and distributed as per the client's original instructions.

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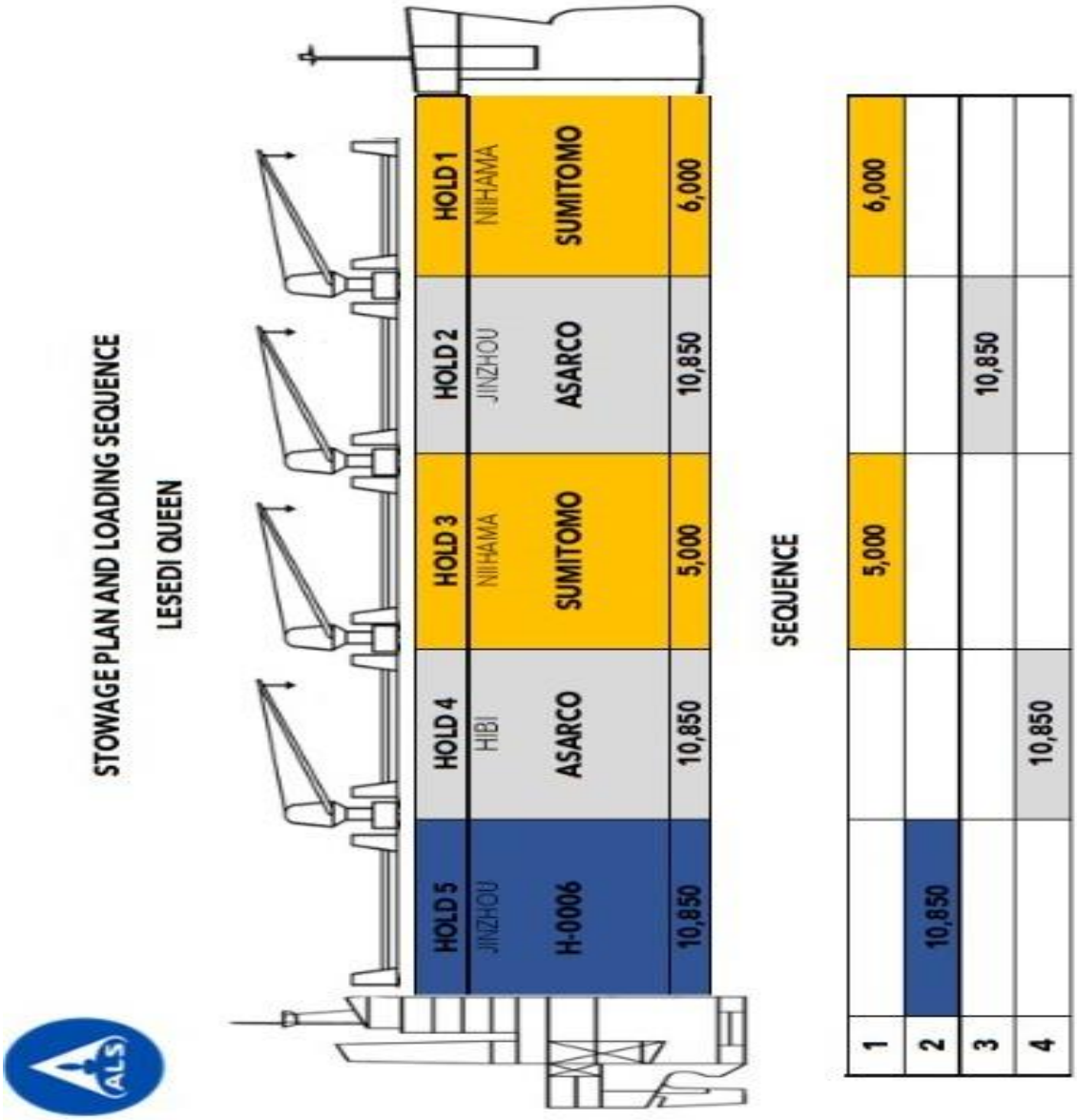
Cargo Sequence Plan:



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Loading of the Vessel

Vessel's Particulars

Flag & Register Port	MAJURO,MARSHAALL, ISLANDS
Owners	AONO MARINE CO., LTD
Year Built	2018
NRT	15,444
GRT	29,290
Type of ship	Bulk Carrier

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Hold and Hatch condition

Our representative's surveyor, jointly with the shipper's surveyor, was inspected Hold Nr. 05 before loading:

HOLD N° 05	**GOOD**	**FAIR**	**POOR**
Hatch covers	✓		
Hatch coatings	✓		
Rubber packing, draining holes	✓		
Acting cleats, compression bars	✓		
Non return valves	✓		
Hydraulic Systems	✓		
Forward and aft bulkhead	✓		
Side/shell plating (port and stb)	✓		
Frames, brackets and bracket connection	✓		
Tank top plating	✓		
Hopper tank plating	✓		
Ventilation, void spaces	✓		
Bilges, suctions	✓		
Air vents Sounding pipes	✓		
Cleaning Condition	✓		
Observation: Cargo hold Nr. 05 was found dry, clean, and suitable to receive cargo.			

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Visual Hold Inspection #5 Lot H0006

Our surveyor also visited the designated stockpile during the loading operations to verify that there was no mixing of material.

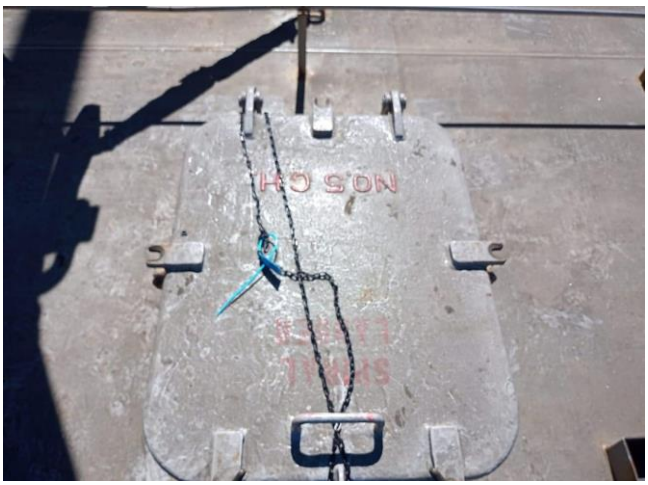
The material was grey in colour and consisted of fines in one stockpile.

Hold #5 Lot H0006




Our surveyor also visited the vessel to perform the sealing of Hold #5 after the completion of trimming the cargo.
The material was found well-trimmed.

Hold #5 lot H-0006



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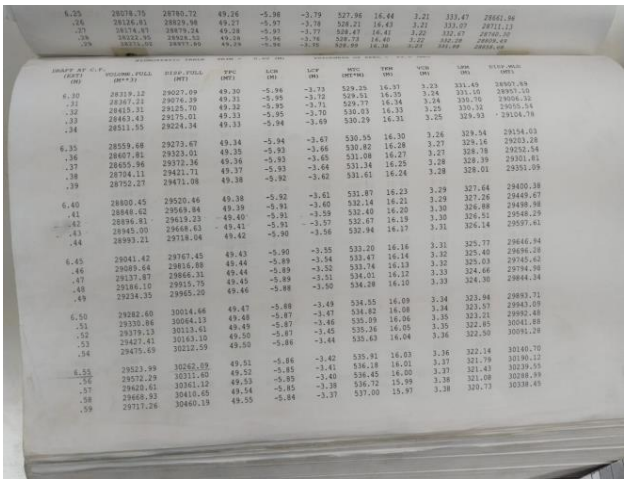
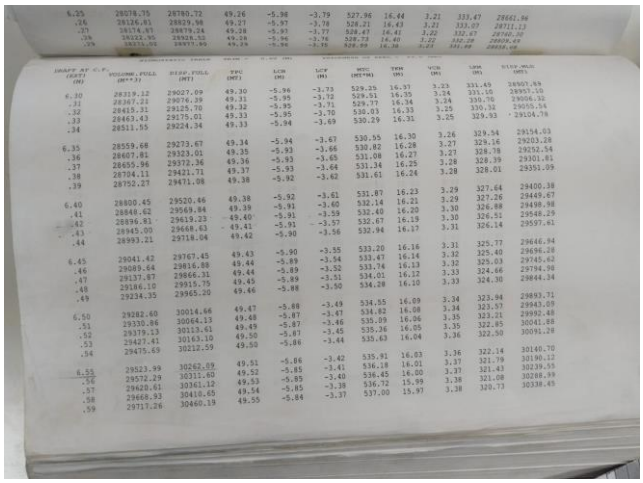
Draft Survey Figures Lot H0006	Hold Nr. 05
Wet Metric Tons (WMT)	10,826.948





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Hold Seals Numbers:

SEAL'S	PRODUCT	STOWAGE SHIP HOLD'S
03893	Cooper Concentrate	Hold #5 Starboard Side
03891	Cooper Concentrate	Hatch Hold #5 Fwd Side
03892	Cooper Concentrate	Hatch Hold #5 Aft Side

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Dates and Times

Date	Time	Description
February 14th, 2024	08:48	POB for berthing manoeuvres
	10:12	Vessel berthed at pier No. 4
	10:30	Port Authorities on Board
	11:10	Free Practique Granted
February 15th, 2024	08:30	ALS Surveyors on Board
	08:30 – 08:40	visual inspection of Hold 5
	16:00 – 18:00	Initial Draft Survey Inspection of the Lot H-0006
	18:18	**Started loading operations of Lot H0006 Hold 5**
February 16th, 2024	13:40	**Completed loading operations of Lot H006 Hold 5**
	13:40 – 15:40	Final Draft Survey Inspection of the lot **H0006 Hold 5**
February 19th, 2024	14:40	Pilot on Board
	14:56	Vessel Unberthed
March 17th, 2024	PM	ETA Jinzhou, China

The above report reflects our findings at the time and place of the inspection only and does not refer to any other matters.
The inspection has been performed to the best of our knowledge and ability within the scope of the instructions we have received and in accordance with accepted international standards. This report does not relieve buyers and sellers from their contractual obligations.

For and on Behalf of ALS Inspection Mexico S. de R. L. de C.V.

Mario Castillo – Operations Manager