



REPORT OF QUALITY AND QUANTITY

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PRINCIPAL : TIGER CEMENT LIMITED – ASPHALT CEMENT (BITUMEN PRODUCT) PLOT NO.06,
 : SECTOR B-X, MEHRAN AVENUE, EXPORT PROCESSING ZONE, KARACHI –
 PAKISTAN.

GOODS DESCRIPTION AS PROVIDED BY PRINCIPAL : BITUMEN ASPHALT PACKED IN NEW STEEL DRUMS TIGER BRAND 50/70

VESSEL NAME : HANSA EUROPE – 612S
 : HANSA EUROPE – 615S
 ZHONG GU KUN MING – 616S

B/L's NUMBER : 267119398 DATED 20-03-2026
 : 267119546 DATED 11-04-2026
 267119643 DATED 21-04-2026

B/L's QUANTITY : 1450 DRUMS IN 10X40FT CONTAINERS
 : 1450 DRUMS IN 10X40FT CONTAINERS
 2900 DRUMS IN 20X40FT CONTAINERS

INSPECTION PLACE : KEPZ – KARACHI

INSPECTION PERFORMED ON : 13 MARCH 2026 TO 10 APRIL 2026

This is to report that, in accordance with instructions received from our principal, we attended their advised location Karachi Export Processing Zone – Karachi on 13 & 14 MARCH, 08, 09 & 10 APRIL 2026 to perform random sampling from the cargo tendered in steel drums, carry out the requested analyses on final composite sample. Whereas to witness the loading/stuffing operation of cargo into containers and weighbridge weighing. On which, we report our findings as follows,

TENDERED CARGO

At the time of our intervention, cargo was tendered in steel drums and laying in an open area on cemented floor.

PACKING

The cargo was in solid form and filled/packed in steel drums, mouth covered by lid. As far as visible, the tendered drums were found apparently in sound condition.

MARKING

Following stencil marking was found pasted on the tendered steel drums.





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RANDOM SAMPLING

A total of 18 drums were selected randomly on a cube root basis as per ASTM D140/D140M (Standard Practice for Sampling Asphalt Materials) from the total tendered cargo of 5800 drums.

Upon completion of the sampling exercise, the collected sample was split in 03 sets, preserved in a metal container, kept in a double WPP bag, duly labeled, sealed, and brought to the SGS Karachi office.

SAMPLE DISTRIBUTION

- One set of sealed sample submitted to the subcontracted lab for the analysis of principal requested parameters as tabulated below.
- One set of sealed sample handed over to the principal representative for their reference and record.
- One set of sealed samples retained with SGS for the period of one month from the date of sampling, unless otherwise instructed.

ANALYSIS

Analysis results obtained from the subcontracted lab are reproduced as follows,

Sr. #	Test Parameter	Test Method	Results
01	Specific Gravity at 25/25 °C	ASTM D-70	1.024
02	Ductility @ 25 °C, 5cm/min, cm	ASTM D-113	>100
03	Penetration @ 25 °C, 100 gm, 5 Sec, 1/10mm	ASTM D-5	62
04	Flash Point (COC), °C	ASTM D-92	325
05	Softening Point (R & B), °C	ASTM D-36	50
06	Loss on heating @ 163°C 5 hrs. Wt% _s	ASTM D-6	0.130
07	Drop in penetration after heating%	ASTM D-5/D-6	17
08	Retained Penetration after TFOT, %	ASTM D-5	83
09	Penetration after loss on heating 25°C, % of original	ASTM D-5/D-6	83
10	Solubility In Trichloro Ethylene, Wt%	ASTM D-2042	99.6
11	Spot test	ASHTO T-102	Negative

WITNESSING OF THE LOADING / STUFFING OPERATION

Prior to the loading of cargo into containers, MFD sheet was placed on the container's floor. During our intervention, all the drums were loaded/stuffed into containers with the help of a forklift. As per the client/shipper's tally and our random check, a total of 5800 drums (each container load with 145 drums) were loaded into 40x40ft containers.

Details of each container number are given as follows,

No.	Container No	No. of Drums	Wt. Of Truck with Loaded Container in Kg	Wt. Of Truck with Empty Container in Kg	Gross weight of cargo (kg)	SGS Seal No
Containers covered under B/L # 267119546						
1	MRKU-5703910	145	44,150	16,170	27980	JO43531
2	MRSU-7734928	145	43,420	15,450	27970	JO43532
3	CAAU-7918888	145	44,480	16,510	27970	JO43533
4	TGHU-6935066	145	44,560	16,580	27980	JO43534
5	MRSU-4994618	145	44,000	16,020	27980	JO43535
6	MRSU-7552543	145	43,450	15,480	27970	JO43536



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7	UETU-8337875	145	44,340	16,370	27970	JO43537
8	TEMU-7274288	145	44,170	16,190	27980	JO43538
9	SEKU-4609004	145	44,200	16,220	27980	JO43539
10	UETU-8178813	145	45,030	17,060	27970	JO43540
Containers covered under B/L # 267119398						
11	HASU 4062732	145	43,530	15,540	27990	J030011
12	CAAU 6786956	145	43,550	15,560	27990	J030012
13	BEAU 5221296	145	44,400	16,420	27980	J030013
14	MRSU-5356475	145	46,900	18,920	27980	J030014
15	MRKU-2502850	145	43,930	15,940	27990	J030015
16	MRKU-2519067	145	43,920	15,940	27980	J030016
17	CIPU-5218970	145	43,710	15,720	27990	J030017
18	MRKU-3439752	145	43,890	15,910	27980	J030018
19	TEMU-8881141	145	44,780	16,790	27990	J030019
20	MRKU-6035055	145	44,320	16,340	27980	J030020
Containers covered under B/L # 267119643						
21	MSKU-1381801	145	44,600	16,690	27910	J030161
22	MRSU-6095627	145	45,030	17,040	27990	J030162
23	MRKU-5588415	145	43,610	15,630	27980	J030163
24	SUDU-6720497	145	44,220	16,310	27910	J030164
25	MRSU-4879131	145	44,420	16,520	27900	J030165
26	MSKU-1148087	145	43,710	15,800	27910	J030166
27	MRKU-3091712	145	43,790	15,850	27940	J030167
28	TRHU-6931139	145	46,650	18,700	27950	J030168
29	MSKU-8714571	145	43,800	15,840	27960	J030169
30	TCKU-6732057	145	43,430	15,510	27920	J030170
31	MRKU-5297235	145	44,200	16,240	27960	J030171
32	MRKU-3484474	145	43,980	16,030	27950	J030172
33	TCNU-2256764	145	44,260	16,310	27950	J030173
34	MRSU-5770459	145	46,500	18,520	27980	J030174
35	HASU-4180993	145	44,020	16,110	27910	JO30175
36	PONU-8251712	145	44,610	16,640	27970	JO30176
37	MRKU-5667617	145	44,310	16,280	28030	JO30177
38	SUDU-6675870	145	44,070	16,170	27900	JO30178
39	MRSU-8548379	145	44,220	16,190	28030	JO30179
40	CAAU-8471217	145	44,970	17,060	27910	JO30180
	Total	5800	1773130	654570	1118560	--



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PICTURES

			
Tendered cargo			
			
Random Sampling			
			
Loaded / Stuffed Cargo			



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Loaded / Stuffed Cargo



Loaded container with SGS Plastic Seal

The responsibility for the above findings is limited to time, date and place of intervention only and does not refer to any other matter. Whereas this report validity is limited to the duration of vessel's voyage.

The manual sampling method was agreed with the SGS Principal, as sampling by more reliable methods that provide probability samples was not possible. The Holder of this document is cautioned that collected MANUAL samples of this type do not satisfy the minimum requirements for probability sampling, and as such cannot be used to draw statistical inferences such as precision, standard error, or bias.

Due to the inaccessibility of part of the cargo, the samples collected have indicative value only and will not necessarily be representative of the entire cargo, but only of that part accessible and sampled at the date, time, and place of inspection. SGS has no responsibility and/or liability for the consequences of any action taken or not taken on the basis of our issued report.

In accordance with principal's instructions, the Company's involvement has been limited to witnessing/observing a third party's intervention(s) at the third party's weighbridge/test house or other facilities and installations used for the intervention(s). The Company's sole responsibility was to be present at the time of the third party's intervention(s) to forward the results, or confirm the occurrence, of the intervention(s). The Company is not responsible for the condition or calibration of apparatus, instruments and measuring devices used, the testing methods applied the qualifications, actions or omissions of the third party's personnel or the testing results.

If the requirements of the client necessitate the analyses of samples by the client's or by any third party's laboratory (non SGS lab) the company will pass on the result of the analysis but without responsibility for its accuracy.

This document is issued by the Company subject to its General Conditions of Service (www.sgs.com/en/Terms-and-Conditions.aspx). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues established therein.

This document is to be treated as an original within the meaning of UCP 600. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and this document does not



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exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Signed and dated in
KARACHI - Pakistan
23rd April 2026

SGS Pakistan (Private) Limited

