



REPORT OF QUALITY AND QUANTITY

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

GOODS DESCRIPTION : BITUMEN ASPHALT TIGER BRAND 50/70
 AS PROVIDED BY PRINCIPAL

VESSEL NAME : MSC TIA V VOY: XA538A

B / L NUMBER : MEDUK3961977 DATED: 01-OCT-2025

QUANTITY : 1100 DRUMS IN 10X20FT CONTAINERS

INSPECTION PLACE : KEPZ – KARACHI

INSPECTION PERFORMED ON : 26 SEP 2025

This is to report that, in accordance with instructions received from our principal, we attended their advised location Karachi Export Processing Zone – Karachi on 26 Sep 2025 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.



RANDOM SAMPLING

Total of 10 drums were selected randomly on cube root basis as per ASTM D140/D140M (Standard Practice for Sampling Asphalt Materials) from the total tendered cargo of 1100 drums.

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



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SAMPLE DISTRIBUTION

- One set of sealed sample submitted in subcontracted lab for the analysis of principal requested parameters as tabulated below.
- One set of sealed sample handed over to 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 result obtained from subcontracted lab are reproduced as under,

Sr. #	Test Parameter	Test Method	Results
01	Specific Gravity at 25/25° C	D-70	1.042
02	Ductility @ 25 °C, 5cm/min, cm	D-113	>100
03	Penetration @ 25 °C, 100 gm, 5 Sec, 1/10mm	D-5	62
04	Flash Point (COC), °C	D-92	342
05	Softening Point (R & B), °C	D-36	50
06	Loss on heating @ 163 °C 5 hrs <ul style="list-style-type: none"> • Loss by weight, % • Drop in Penetration, % 	D-6	0.146 17
07	Retained Penetration after TFOT, %	D-5	83
08	Penetration after loss on heating 25 °C, % of original	D-5/D-6	83
09	Solubility In Trichloro Ethylene, Wt%	D-165	99.7
10	Spot test	T-102	Negative

WITNESSING OF LOADING / STUFFING OPERATION

Prior to the loading of cargo into containers, plastic sheet attached in both side of the containers wall and plastic sheet was placed on containers floor. During our intervention, all the drums were loaded/stuffed into containers with the help of fork lifter. As per client/shipper's tally and our random check, total of 1100 drums (each container load with 110 drums) were loaded into 10x20ft containers.

Details of each container number are given as under,

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
1	MEDU-6631855	110	37,460.000	16,420.000	21,040.000	I079931
2	TEMU-3638165	110	35,530.000	14,490.000	21,040.000	I079932
3	BMOU-2667761	110	31,960.000	10,900.000	21,060.000	I079933
4	MEDU-6095710	110	35,640.000	14,640.000	21,000.000	I079934
5	MSDU-1132866	110	35,880.000	14,860.000	21,020.000	I079935
6	MEDU-6127504	110	37,730.000	16,670.000	21,060.000	I079936
7	TRHU-2420547	110	35,270.000	14,270.000	21,000.000	I079937
8	MSDU-2706655	110	36,440.000	15,430.000	21,010.000	I079938
9	FBIU-0183194	110	38,540.000	17,530.000	21,010.000	I079939
10	MEDU-5833907	110	35,700.000	14,700.000	21,000.000	I079940
Total		1100	360,150.000	149,910.000	210,240.000	--



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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 exonerate parties to a transaction from exercising all



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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
13th November 2025

SGS Pakistan (Private) Limited

