

Certificate N°: 240117023E



In pursuance to an inspection order given to us by our principal:

FOR : BASEKIM KIMYASAL URUNLER
GOODS DESCRIPTION AS PROVIDED BY PRINCIPAL : BITUMEN GRADE 60/70
AT : JASK GOSTAR WAREHOUSE - SHAHID RAJAEI PORT COMPLEX – B. ABBAS - IRAN
ON : 05 & 06.01.2024

With the required inspection of:

- Visual checking of the packing of cargo & drum dimension check at random & to report.
- Random sampling of the cargo.
- Observing of testing in 3rd party laboratory (upon principal's request).
- Stuffing supervision.

We hereby report the following:

Marking:

Following marking was observed on body of drums, randomly inspected.

Printed marking:

Bitumen 60/70 - KBR



Packing:

The commodity was poured in the steel drums with black appearance. Each drum had a lid on the top side. Amongst the randomly inspected drums, following figures were obtained for their dimensions:

Dia of drums : 50 +/- 0.5 Cm
Height of drums : 98 +/- 0.5 Cm
Dia of cap lid : 10.5 +/- 0.5 Cm

Container Check:

Prior to cargo stuffing commencement, we checked visually the allocated empty containers and found them empty and without any residue cargo.

Stuffing drums into containers:

SGS Iran Limited

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Each take of forklift discharged 8 ~12 drums which were directly stuffed into nominated containers. In each container two tiers of drums were stuffed, in first tier 55 and second tier 55 drums were stuffed (Totally 110 drums in each container).

The commodity was stuffed into 25×20 Ft. containers under our supervision as following:

No.	Container No.	QTY of Drums	SGS Seal No.	Date of Stuffing
01	SLLU 249181-9	110 Drums	C935148	05.01.2024
02	CICU 359409-4	110 Drums	C935149	05.01.2024
03	SLLU 255005-9	110 Drums	C935150	05.01.2024
04	SLLU 250997-0	110 Drums	C935151	05.01.2024
05	MISU 285021-2	110 Drums	C935152	05.01.2024
06	MIOU 223778-3	110 Drums	C935153	05.01.2024
07	MIOU 256483-1	110 Drums	C935154	05.01.2024
08	MIOU 245150-0	110 Drums	C935155	05.01.2024
09	MIOU 241288-6	110 Drums	C935156	05.01.2024
10	MISU 281598-9	110 Drums	C935157	05.01.2024
11	WOSU 320631-5	110 Drums	C935158	05.01.2024
12	RSPU 003001-2	110 Drums	C935159	05.01.2024
13	MIOU 281893-6	110 Drums	C935160	05.01.2024
14	MIOU 292262-1	110 Drums	C935161	05.01.2024
15	SLLU 227968-8	110 Drums	C935162	05.01.2024
16	SLLU 276363-0	110 Drums	C935163	05.01.2024
17	MIOU 240303-5	110 Drums	C935164	05.01.2024
18	CICU 370714-3	110 Drums	C935165	05.01.2024
19	SLLU 204503-6	110 Drums	C935166	05.01.2024
20	MIOU 289399-2	110 Drums	C935167	05.01.2024
21	MISU 291935-0	110 Drums	C935168	06.01.2024
22	MIOU 203081-5	110 Drums	C935169	06.01.2024
23	SLLU 231292-9	110 Drums	C935170	06.01.2024
24	MIOU 230836-2	110 Drums	C935171	06.01.2024
25	MIOU 288660-6	110 Drums	C935172	06.01.2024
Total		2,750 Drums

Notes:

- The sole function of any seals applied by SGS is to indicate that the material bearing such seals has been inspected by SGS.
- Seals applied by SGS are not intended to secure material, lock the container of such material, or otherwise provide any security function. SGS does not provide security services and disclaims any liability in this respect.
- The floor of nominated empty containers was covered by a layer of P-E sheet.
- About 20 ~ 25% of drums suffered from slight dents on bodies during stuffing operation. (This due to the loading method performed by the manpower and machine/forklift, which the drums were in the sound condition in an appearance before stuffing into containers).

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Sampling:

- Sampling was performed during stuffing the cargo into containers at warehouse, from randomly 15 selected drums. (The number of selected drums: according to ASTM D140M, Standard Practice for Sampling Bituminous Materials).
- Due to presenting cargo already packed in drums at the time of inspection, we 've been restricted to take the increments from accessible top level of drums only.
- Drawn samples were well mixed and 5x1 L. composite samples were made, sealed by SGS and distributed as below:
- One composite sample of whole selected drums was dispatched to producer's laboratory with seal No. 843724.
- Four composite samples were retained at SGS with seal No. 843725, 843726, 843727 & 843728 for 90 days.

Analysis:

Upon request of our principal, one composite sample was sent to producer's/supplier's laboratory (Advised by principal) for the following items to be tested under our inspector's supervision. The following results were reported by the lab:

SPECIFICATION FOR BITUMEN GRADE 60/70	TEST METHOD	SPECIFICATION DECLARED BY THE PRINCIPAL	RESULT
PENETRATION @ 25°C(100GR-5S) ,0.1 MM	ASTM D5	60-70	65
SOFTENING POINT, °C	ASTM D36	46 MIN.	50.7
FLASH POINT, °C (CLEVELAND OPEN CUP)	ASTM D92	230 MIN.	344
SOLUBILITY IN TCE, %WT	ASTM D2042	99 MIN.	99.99
DUCTILITY @ 25°C, (5CM/MIN), CM	ASTM D113	100 MIN.	>100
ABSOLUTE VISCOSITY 60 C°,POISE	ASTM D2171	1600-2400	1988
KINEMATIC VISCOSITY @ 135°C, MM2/S	ASTM D2170	300 MIN.	371
LOSS OF HEATING, WT%	ASTM D6	0.2 MAX.	0.056
DROP IN PENETRATION AFTER HEATING, %	ASTM D5 & D6	20 MAX.	10.76
SPOT TEST (NAPHTHA)	AASHTO T102	NEGATIVE	NEGATIVE
THIN FILM OVEN TEST, 163°C, 3.2MM, FOR 5 HOURS (TFOT) ASTM D1754			
CHANGE OF MASS, WT%	ASTM D1754	0.8 MAX.	0.149
DUCTILITY @ 25°C, CM	ASTM D113	50 MIN.	>50

SGS Tehran/16th Jan 2023
24-00031L02 (MTA)



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