



**INSPECTION REPORT NO.: 650201/01477**

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

**PRINCIPAL** : JEY KIMIA BITUMEN  
**TO INSPECT (SAID TO BE)** : BITUMEN GRADE 80/100  
**AT** : JASK GOSTAR WAREHOUSE, SHAHEID RAJAEI PORT, BANDAR  
**ABBAS, IRAN**  
**ON** : 12 ~ 15.01.2021

**Required inspection:**

- Visual checking of the packing and marking of cargo & drum dimension check at random & to report,
- Random sampling of the cargo & sending the sample to third-party laboratory for testing,
- Visual checking of drums,
- Stuffing supervision.

We hereby report the followings:

**Marking:**

Following markings were observed on body and top side of drums:

**Type 1, painted marking:**

BITUMEN  
80/100

**Packing:**

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

**Dia. of drums** : 50.5 ± 0.5 Cm  
**Height of drums** : 98.5 ± 0.5 Cm  
**Dia. Of lid** : 10.5 ± 0.5 Cm

**Sampling:**

Sampling was performed during cargo stuffing into the containers at the warehouse from 15 number randomly selected drums. The number of selected drums is according to ASTM D 140. But only the top side of the drums were accessible for taking inc. emen. All drawn samples were mixed as well and prepared 4x1 litter composite samples were distributed as follows:

- One x1 litter composite sample was dispatched to a third-party laboratory with SGS seal No. 701711.
- Three x1 litter composite sample was retained in SGS for 90 days with SGS seal Nos. 701712, 701713 & 701714.

**Analysis:**

One composite sample was sent to non-SGS laboratory for the following items to be tested. The following specifications and test methods were reported by the lab:

SPECIFICATION	RESULTS	Standard Range		TEST METHOD
		MIN	MAX	
PENETRATION @ 25°C, 0.1MM	43	80	100	ASTM D5
SOFTENING POINT (R & B), °C	48.3	42	---	ASTM D36
DUCTILITY @ 25°C, 5CM/MIN, Cm	>100	>100	---	ASTM D 113
SPOT TEST, NAPHTA	NEG	Negative		AASHTO 102
FLASH POINT, °C	324	232	---	ASTM D92
SOLUBILITY IN TCE, %WT	99.9	99	---	ASTM D2042
DENSITY @ 25°C kg/m3	1010.9	1010	1050	ASTM D70
LOSS ON HEATING, WT%	0.006	---	0.5	ASTM D6
DROP IN PENETRATION AFTER HEATING %	9.63	---	20	ASTM D6&5
VISCOSITY AT 135°C, CST	328	250	---	ASTM D2170
VISCOSITY AT 60°C, poise	1027	1000	1200	ASTM D2170

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These findings are reported herein for convenience only and SGS has no liability for the subcontracted results, which remain with the lab.

**Stuffing Supervision:**

25 x 20' containers were ready to be stuffed under SGS inspectors' supervision at stuffing site in Bandar Abbas port. The cargo was discharged from trailers and stuffed by means of forklift in two tiers; totally 110 drums in each container and the containers were sealed with SGS seals as follows:

No.	Container No.	QTY. of d	SGS seal	Stuffing to
1	MIOU 268173-5	110 Drums	481828	12.13.01.2021
2	MIOU 247738-3	110 Drums	481829	13.01.2021
3	MIOU 255896-8	110 Drums	481830	13.01.2021
4	MIOU 290833-0	110 Drums	481831	13.01.2021
5	MIOU 203341-3	110 Drums	481832	13.01.2021
6	MISU 258181-2	110 Drums	481833	13.01.2021
7	MIOU 249770-7	110 Drums	481834	13.01.2021
8	MISU 238712-9	110 Drums	481835	13.01.2021
9	MISU 203504-6	110 Drums	481836	13.01.2021
10	MISU 258637-3	110 Drums	481837	13.01.2021
11	MISU 289516-1	110 Drums	481838	13.01.2021
12	MIOU 259190-3	110 Drums	481839	14.01.2021
13	MIOU 268637-8	110 Drums	481840	14.01.2021
14	MIOU 235665-3	110 Drums	483291	14.01.2021
15	MIOU 286714-4	110 Drums	483292	14.01.2021
16	MIOU 260112-8	110 Drums	483293	14.01.2021
17	MISU 243657-9	110 Drums	483294	14.01.2021
18	MIOU 225943-7	110 Drums	483295	14.01.2021
19	MIOU 238231-6	110 Drums	483296	14.01.2021
20	MISU 250926-9	110 Drums	483297	14.01.2021
21	MIOU 254712-0	110 Drums	483298	14.01.2021
22	MIOU 248601-9	110 Drums	483299	14.01.2021
23	MIOU 231261-3	110 Drums	483300	14.01.2021
24	MIOU 269814-7	110 Drums	483581	15.01.2021
25	MIOU 225478-0	110 Drums	483582	15.01.2021

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### Quantity & Weight:

Total stuffed containers	: 25
Total Number of drums	: Containers
Declared empty weight per each drum by principal's representative	: 2,750 Drums
Total gross weight as per copy of weighbridge slip	: 9.5 Kgs
The calculated average gross weight per each drum	: 530,390 Kgs
Total calculated net weight	: 192.869 Kgs
	: 504,265 Kgs

### Notes:

- Date of weighbridge slips was from 08 - 10.01.2021.
- All trucks were weighed by WVB No's 019 and custom weighbridge at Jack Gostar WH.
- The floor of nominated empty container was covered by a layer P-E sheet.
- About 5 - 10 % of drums were suffered with slightly dent on bodies by forklift. (This due to the loading method performed by the man-power and machine/forklift, which the drums were in the sound condition in an appearance before stuffing into containers).

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SGS Tehran Jan 19<sup>th</sup>, 2021

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