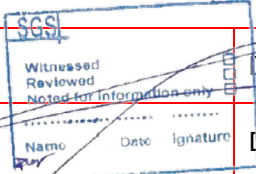


Report No: SGS-BSR-2023-WT-138
 SGS Job Order No: 502881
 Date: 16.10.2023
 Service Order No: N/A

A. Project:	Bitumen VG 30 Test Witness	B. Supplier	Wataniya Group for Bitumen and Oil Refinery
Project Ref. No.:	N/A	Details:	N/A
Contract Ref No:	N/A	Job order No:	502881
C. Inspection:	Bitumen VG 30 , Test Witness	D. Sub-Supplier:	N/A
Customer Ref.No: Int. Ref. No (EA):	SGSPI023010C	Details:	N/A
E. Customer:	Wataniya Group for Bitumen and Oil Refinery	Location of the test	Muthanna - Samawa, Iraq Wataniya Company (Lab)
Country:	Iraq	Contact Person:	Farhad Zandi
Customer Ref. No.:	N/A	Address:	Muthanna - Samawa, Iraq
F. Executing SGS office data:	SGS-Basra	Phone/Fax:	+964 781 496 0222
Country:	IRAQ	Email-Address:	farhad.zandi@wataniyagroup.com
Coordinator:	Ahmed Salar ahmed.salar@sgs.com	P.O. at supplier:	N/A

Inspection Details	To conduct Witness Test for product bitumen VG 30 of a total quantity 500MT packed in drums of total 2,750 , a composite sample of 05 kg		
Inspection date:	14.10.2023		
Inspection scope:	Witness analysis of VG 30 , Product Bitumen packed in drum is Cold and it is not considered as hazardous for transport (ADR, RID, UN, IATA/ICAO)		
Material/Equipment:	Bitumen VG 30		
Personnel on Site:	1.Mohamed Abdul Ridha, SGS Inspector 2. Mr. Ahmed , Wataniya Company Representative.		
Inspection result:	Chemical and Mechanical Test results of VG 30,attached to this report		
<i>Inspector:</i>	Mohamed Abdul Ridha		Date: 16.10.2023
<i>Approval</i>	Ahmed Salar		Date: 16.10.2023

1. Material/Equipment detailed

Bitumen VG 30

2. Used documents & standards

The following documents were considered during inspection:
 ASTM Standards

3. Status of equipment / tool calibration

The following test equipment was used and calibrated as follows: N/A

4. Inspection / test required

The following inspection activities were performed during inspection with following result:
 Witnessing the chemical and Mechanical test (as follows) of A, B, C, D Drum Yard of VG 30. Result of the Test attached to this report.

S. No.	Characteristics	UNIT	Test Results	Specification Limit		TEST METHOD
				Min	Max	
1	Penetration @ 25°C	0.1 mm	56.8	50	70	ASTM D-5
2	Kinematic Viscosity @ 135°C	cSt	586.7	350		ASTM D-2170
3	Absolute Viscosity @ 60°C	P	3020	2400	3600	ASTM D-2171
4	Flash point, Cleveland Open Cup (COC)	°C	295	220		ASTM D-92
5	Solubility in Trichloroethylene	%Wt.	99.623	99		ASTM D-2042
6	Specific Gravity	g/cm3	1.029	1.01	1.06	ASTM D-70
7	Softening Point (R&B)	°C	49.15	47		ASTM D-36
8	Ductility @ 25 °C	cm	>100	100		ASTM D-113
AFTER RTFOT TEST (ASTM D-2872)						
9	Viscosity Ratio @ 60°C	--	3.2		4	ASTM D-2171
10	Ductility @ 25 °C	cm	70	40		ASTM D-113
11	Spot Test		Negative			A.A.S.H.T.O. T102

This product conforms to the specification of IS 73:2013, ASTM D 3381, and AASHTO M226-80



INSPECTION REPORT

Report No: SGS-BSR-2023-WT-138
SGS Job Order No: 502881
Date: 16.10.2023
Service Order No:N/A

4.1. Operations Summary

N/A

4.2. Quality

- Witnessing the mechanical test

Result: 1. above-mentioned Mechanical Test and sample collection Witness conducted by SGS company

4.3. Quantity:

500 MT, a composite sample 05 kg VG 30

4.4. Packing:

New Steel Drum

4.5. Marking:

Wataniya Logo (Embossed)
BITUMEN VG 30

5. Documentation review

The following documents were reviewed during inspection:

NA

6. Deviations / Non-Conformities

The following non-conformance/deviation was found during inspection:

N/A

7. Conclusion

Analysis test has been Witnessed, Reports and Photos Attached.

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Report No: SGS-BSR-2023-WT-138
 SGS Job Order No: 502881
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8. Pictures



Report No: SGS-BSR-2023-WT-138
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WATANIYA BITUMEN AND OIL REFINERY - CERTIFICATE OF MATERIAL ANALYSIS

Product: VISCOSITY GRADE BITUMEN
 Grade: VG 30
 Quantity: 500 MT
 Sample Qty: 5 kg
 Time of the sample: 7:00 AM
 Date of Testing: 14.10.2023
 Witnessed By: SGS

S. No	CHARACTERISTICS	UNIT	TEST RESULTS	SPECIFICATION LIMIT		TEST METHOD
				Min	Max	
1	Penetration @ 25°C	0.1 mm	56.8	50	70	ASTM D-5
2	Kinematic Viscosity @ 135°C	cSt	586.7	350		ASTM D-2170
3	Absolute Viscosity @ 60°C	P	3020	2400	3600	ASTM D-2171
4	Flash point, Cleveland Open Cup (COC)	°C	295	220		ASTM D-92
5	Solubility in Trichloroethylene	%Wt.	99.623	99		ASTM D-2042
6	Specific Gravity	g/cm ³	1.029	1.01	1.06	ASTM D-70
7	Softening Point (R&B)	°C	49.15	47		ASTM D-36
8	Ductility @ 25 °C	Cm	> 100	100		ASTM D-113
AFTER RTFOT TEST (ASTM D-2872)						
9	Viscosity Ratio @ 60°C	—	3.2		4	ASTM D-2171
10	Ductility @ 25 °C	cm	70	40		ASTM D-113
11	Spot Test		Negative			A.A.S.H.T.O. T102

This product conforms to the specification of IS 73:2013, ASTM D 3381, and AASHTO M226-80

Tested by: 
 Ahmed Baqer
 QA/QC Engineer

Issued by: 
 S.Kumar
 QC Lead

Approved by: 
 Yasir Ali
 Plant Manager



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End of the report.