

International Independent Inspection & Testing Company

P.O. Box 2209, Plot No. TP/010305, Techno Park, Dubai - United Arab Emirates, Tel. +971 4 8867400

Operation: Fax. +971 4 8867401, Email: operations@geochem.ae, Laboratory: Fax. +971 4 8867402, E-mail: laboratory@geochem.ae

ISO 9001:2008 CERTIFIED COMPANY

www.geochem.ae

Certificate No : LC-16/C171/AIS
Date : 28th February 2016

ORIGINAL

Certificate of Quality and Quantity

| | | |
|--------------------------|---|---|
| Description of Goods | : | 5500 DRUMS OF BITUMEN GRADE 60/70 PACKED IN NEW STEEL DRUMS |
| Number of Containers | : | 50 X 20' FCL/FCL CONTAINERS CY/CY |
| Total Gross Weight | : | 1045.400 MTS |
| Total Net Weight | : | 993.150 MTS |
| Shipper | : | |
| Consignee | : | |
| Notify Party | : | SAME AS CONSIGNEE |
| Vessel Name & Voy Number | : | SCP1045E |
| Port of Loading | : | BANDAR ABBAS |
| Port of Discharge | : | BELAWAN, SUMATRA |
| B/L No. and Date | : | SCP1045ESSA5478 21.02.2016 |

Quality

We hereby certify that based on analysis result of samples drawn during the entire loading period and tested the results found (Lab report No: AIS/LAB/BAB/016-02-95) as follows:

| Test Items | Methods | UNIT | Result |
|-----------------------------------|-----------------|-------|--------|
| Penetration at 25 Deg C | ASTM D 5 | 0.1mm | 66 |
| Flash Point | ASTM D 92 | °C | 314 |
| Solubility in TCE | ASTM D 4 | %Wt | 99.8 |
| Specific Gravity at 25 Deg C | ASTM D 70 | - | 1.0328 |
| Ductility at 25 Deg C | ASTM D 113 | Cm | >100 |
| Spot Test | A.A.S.H.T.O 102 | - | NEG |
| Softening Point | ASTM D 36 | °C | 49.4 |
| Loss on Heating | ASTM D 6 | %Wt | 0.08 |
| Drop In Penetration After Heating | ASTM D 5 | % | 9.1 |
| Organic matter insoluble in TCE | ASTM D 4 | -%WT | 0.09 |

.../2

