



LAVAN OIL REFINING COMPANY (L.O.R.C)

CERTIFICATE OF QUALITY

| PRODUCT: HYDROCARBON MC-160 | | | | |
|--|---------|-------------------|--------------------|--------------|
| <i>ANALYSIS & METHODS (Latest issue of test methods used, unless otherwise stated)</i> | | | | |
| <i>AVERAGE SAMPLES SHORE TANK</i> | | <i>UNIT</i> | <i>TEST METHOD</i> | <i>LIMIT</i> |
| <i>DENSITY</i> | @15°C | kg/m ³ | ASTM D-1298 | MAX 970 |
| <i>KINEMATIC VISCOSITY</i> | @50°C | c.st | ASTM D-445 | MAX 280 |
| <i>VISCOSITY REDWOOD1</i> | @37.7°C | Sec | CALCULATED | MAX 2500 |
| <i>POUR POINT</i> | | °C | ASTM D-97 | MAX 24 |
| <i>FLASH POINT</i> | | °C | ASTM D-93 | MIN 65 |
| <i>SULPHUR TOTAL</i> | | wt% | ASTM D-1552 | MAX 3.5 |
| <i>CARBON RESIDUE (CONRADSON)</i> | | wt% | ASTM D-189 | MAX 15 |
| <i>ASH</i> | | wt% | ASTM D-482 | MAX 0.05 |
| <i>WATER & SEDIMENT</i> | | vol% | ASTM D-1796 | MAX 0.5 |
| <i>COLORIFIC VALUE (HIGHER)</i> | | Mj/kg | CALCULATED | MIN 41.8 |

