

COSMIC FUEL HSD (MINYAK SOLAR)

| NO. | CHARACTERISTICS (Karakteristik) | METHOD (METODE) | UNIT (SATUAN) | SPECIFICATION (SPESIFIKASI) |
|------------|--|---------------------------------|--------------------------|--|
| 1 | Appearance (Penampilan visual) | Visual | - | Bright & Clear (Terang & Jernih) |
| 2 | Density @15°C (Berat jenis pada suhu 15°C) | ASTM D1298/ D4052/ ISO 12185 | kg/L | Max 0.860 |
| 3 | Viscosity at 40°C (Viskositas pada suhu 40°C) | ASTM D445/ ISO 3104 | cSt | 2.0 - 4.5 |
| 4 | Flash Point (Titik Nyala) | ASTM D93/ ISO 2719 | °C | Min 60 |
| 5 | Pour Point (Titik Tuang) | ASTM D97/ ISO 3016 | °C | Max 9 |
| 6 | Sulphur (Kandungan Sulfur) | ASTM D4294/ ISO 8754 | %wt | Max 0.5 |
| 7 | Cetane Index (Indeks Cetana) | ASTM D4737/ ISO 4264 | - | Min 40 |
| 8 | Micro Carbon Residue (Residu Karbon) | ASTM D4530 ISO 10370 | % m/m | Max 0.1 |
| 9 | Ash (Kandungan Abu) | ASTM D482/ ISO 6245 | % m/m | Max 0.01 |
| 10 | Colour (Warna) | ASTM D1500 | - | Report |
| 11 | FAME Content | ASTM D7806/7371 | % v/v | 30 ^(*) |

Note: Information contained herein is believed to be accurate at time of printing.

(*) Mandatory in Indonesia. Specification as per ESDM 12/2015 and its amendments.

Please contact the following office for your requirement:

SALES OFFICES**JAKARTA, INDONESIA**

UOB PLAZA

31st Floor Unit No. 3 Jalan MH Thamrin No. 10

Kebon Melati Tanah Abang

Jakarta 10230, Indonesia

Tel : (62) 21 30007861 / 7863

Fax: (62) 21 30007878

Email : pku.salesops@cosmicoil.co.id**BATAM, INDONESIA**

Komplek Ruko Batam Central Park,

Blok A No. 8Q-8R

Tanjung Uma, Kec. Lubuk Baja,

Batam 29445 – Indonesia

Tel : (62) 778 452 188

Fax: (62) 778 452 189

Email : btm.salesops@cosmicoil.co.id