

PRODUCT SPECIFICATION



Product Name : Super Low Sulfur Premium Diesel (Vehicle)

Issue Date : Sep 23,2021.

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1. Product NO. : DO-P
2. Usage : Applicable to middle 、 high speed diesel vehicle engine use
3. Quality :

No.	Items	Unit	Limitation		Test Method
			Min.	Max.	ASTM
1	Cetane Index ⁽²⁾		48		D976 D4737
2	Density , 15°C	kg/m ³	820	845	D1298 D4052
3	Polyaromatics content ⁽²⁾	mass%		8	D6591
4	Sulfur content ⁽²⁾	mg/kg		10	D2622 D4294 D5453
5	Flash point	°C	55		D93
6	Carbon residue (on 10% distillation residue)	mass%		0.3	D524 D4530
7	Kinematic viscosity , 40°C	mm ² /s	2.0	4.5	D445
8	Ash content	mass%		0.01	D482
9	Water and sediment	vol%		0.05	D2709
10	Copper strip corrosion , 3h at 50°C	Grade	NO.1		D130
11	Oxidation stability	g/m ³		25	D2274
12	Lubricity , corrected wear scar diameter(1.4 wsd , 60°C)	μm		460	D6079
13	Distillation				
	250°C recovery percent	vol%		65	D86
	350°C recovery percent	vol%	85		D86

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	95 vol% recovery temperature	°C		360	D86
14	Pour point	°C		-3	D97 D5949 D5950
15	Appearance		Clear,bright,free from suspended and sediment at room temperature		visual
16	API (60°F) ⁽³⁾		Report		D1298 D4052
17	Heating value ⁽⁴⁾	Kcal/Kg	Report		D4809

Note :

1. The norm implement date accords with CNS National Standard announce date.
2. Gasoline and diesel oil sold in Taiwan need accord to Environmental Protection Administration declaration of 「 Mobile pollution source fuel composition control standard 」 regulation.
3. The customer ,Taipower, requires to add the inspect item “API” to the quality report.
4. The Bureau of Energy requires the “heating value” need to add in the quality test report.