PETRONAS DIESEL EURO 5 (B0)

PROPERTIES	Unit	GUARANTEED LIMIT		TEST METHOD
		MINIMUM	MAXIMUM	
Total Sulfur	mg/kg	-	10.0	ASTM D5453 / D2622 / D4294 / D7039 / IP 336
Cetane Index[a] or Cetane Number[b]	- -	49 49	- -	ASTM D4737 / D976 ASTM D6890 / D613 / IP 498
Density at 15°C	kg/L	-	0.845	ASTM D4052 / D1298
Physical Distillation at 95% Recovered Volume or Simulated Distillation at 95% Recovered Mass	°C °C	- -	360 386	ASTM D86 ASTM D2887
Polycyclic Aromatic Hydrocarbons	% mass	-	8.0	EN 12916 / ASTM D6591
Acid Number	mgKOH/g	-	0.25	ASTM D664 / D974
Ash	% wt.	-	0.01	ASTM D482 / IP 4
Carbon Residue (on 10% bottoms)	% wt.	-	0.20	ASTM D4530 / D189 / IP 13
Cloud Point	°C	-	19.0	ASTM D5772 / D2500 / D5771 / D5773 / IP 219
Copper Corrosion (3 hours at 100°C)	-	-	1	ASTM D130 / IP 154
Color	-	-	2.0	ASTM D1500 / D6045
Electrical Conductivity	pS/m	50	-	ASTM D2624
Flash Point	°C	60	-	ASTM D93 / IP 34
Kinematic Viscosity at 40°C	mm^2/s	1.5	5.8	ASTM D445 / D7042 / IP 71
Lubricity	µm	-	460	ASMT D6079 / IP 450
Sediment by Extraction	% wt.	-	0.01	ASTM D473
Water by Distillation	% vol.	-	0.05	ASTM D95
Palm Methyl Ester	% vol.	-	0.0	ASTM D7371

APPLICATION	PRECAUTION	SPECIFICATION
Mainly use in automotive diesel engine for retail and commercial sector e.g. passenger car, light duty trucks, heavy duty trucks, prime movers and etc.	▪ Flammable liquid and vapor ▪ May be fatal is swallowed and enters airways ▪ Causes skin irritation ▪ Harmful if inhaled ▪ Suspected of causing cancer ▪ May cause damage to organs (thymus, liver, bone marrow) through prolonged or repeated exposure ▪ Toxic to aquatic life with long lasting effects	This diesel meets the following specification: ▪ SIRIM MS 123-3:2016 This diesel may contain Palm Methyl Ester (PME) complying with SIRIM MS 2008:2014 and EN 14214 Intentional additions of metallic additives shall not be allowed

[a]Cetane Index is not applicable for biodiesel blend
[b]Derived Cetane Number