

International D2 Standards



Property	Units	BP LSD 50PPM			Euro-4 Diesel 50PPM - PT - Laos		Euro IV (High Speed Diesel) BQ Specification			LSD 30PPM			D 500PPM			LSD 50PPM	
		Method	SANS 342 2006	*Typical Results	Standard		Min	Max	Method	Method	Auto Gasoil Standard Specification 30PPM	Method	SABS 342 2006	Industry Exchange	Hydro-Treated Diesel Fuel (T)	LSD Diesel Fuel (T)	
					Min	Max	Min	Max	Result	MIN	MAX			MIN	MAX		
Acid Number	Mg KOH/g	ASTMD 664 ASTMD 974							ASTMD 664 ASTMD 974		NIL	ASTMD 664 ASTMD 974			0.25		<10
Actual Resin 100mg	100 sm3	Fuel Testing															<40
Appearance - or Haze Rating (17* to 23*)	Rating	ASTMD 4176	n/a	1								ASTMD 4176 Caltex Haze		2.00			
Ash Content (Grey Mass)	%/m/m	ASTMD 482	0.01	<0.01	0.01	0.01	-	0.1	<0.001	ASTMD 482		0.01		0.01			0.01
Carbon Residue, Ramsbottom (10%)	%/m/m	ASTMD 524	0.2	0.05	-	0.30	-	0.05	0.00			ASTMD 524	0.20	0.20			0.01
Cetane Number/Index	Rating	ASTMD 613	45	48	50	50	50	-	52	ASTMD 976	45		ASTMD 613 ASTMD IP41	45	45	50.00	45.00
Cloud Point	*C																<-5
Cold Filter Plugging Point Summer (1 Oct to 14 March) Winter (15 March to 30 Sept)	*C	IP 309	3	-1													
Mass Portion of Mercaptane	%/m/m																0.01
Mass Portion of Sulfur	*C																0.01
Mass Portion of Hydrogen Sulfide	*C																0.20
Mass Portion of Nitrogen	*C																NA
Color (By ASTM, By SNT)	Rating	ASTMD 1500	n/a	1.5	1	1	-	2	ASTM 1.5	ASTMD 1500		2.50	ASTMD 1500		3.00	2.00	0.01
Carbon Residue of 1/10																	
Conductivity @ 20°C	pS/m	IP274 ASTMD 2624	n/a	200									ASTMD 2624		100		
Copper Corrosion (3Hr @ 100°C)	Rating	ASTMD 130	1	1	1	1	-	NO1	IA			ASTMD 130	1	1			
Copper Corrosion (3Hr @ 50°C)	Rating	ASTMD 130	-	-	-	-						No 42					
Density @ 20 °C/15°C	Kg/L - *C/kg/m3	ASTMD 4042 ASTMD 1298	0.800	0.835	0.810	0.870				ASTMD 4050 ASTMD 1298	0.820	0.860	ASTMD 4052 ASTMD 1298	0.800	0.800	0.84	0.86
Distillation Initial Point (Recovery %)	*C	ASTMD 86	362	355	-	357	-	3.57	3.55	ASTMD 86		385	ASTMD 86	362	362		
Filtering Factor	100 sm3	IP438															3.00
Flash Point	*C	ASTMD 93	55	70	52	-	52	-	58	ASTMD 93	66		ASTMD 93	55	62	3.00	3.00
Fraction Composition - (>=50% °C) & (>96% °C)	*C																62.00
Iodine Number, mg I2 for sm3	100 sm3																340.00
Kinematic Viscosity @ 40°C	cSt	ASTMD 445	2.2-5.3	3.689	1.80	4.10	1.80	4.10	3.10	ASTMD 445 ASTMD 2161	2.10 33.30	5.50 44.90	ASTMD 445	2.20 5.30	2.20	5.30	0.00
Saybolt to 40°C																	3.0 - 6.0
Lubricity - Wear Scar Diameter	µm	ASTMD 6079 CEC-F-06 A	460	320	460	460						ASTMD 6079 CEC-F-06 A	460	460			
Mass Portion Poly Aromatics	*C									ASTMD 4530		0.15					11.00
Oxidation Stability	mg/100ml	ASTMD 2274	2	0.8						ASTMD 2274		2.00	ASTMD 2274	2.00	2.00		
Particulate Contamination	mg/Kg	IP 440	0	24	0	24	-	10	0	IP 440	12	24	IP 440	24	12		
Pour Point	*C																-30
Presence of Water - Karl Fischer	ppm(v/v)	ASTMD 6304 ASTMD 4928 ASTMD 4377	500	100	-	0.30				ASTMD 1744 ASTMD 95	30	500 0.05	ASTMD 6304 ASTMD 4377 IP356	500	500		"No", 0
Strong Acid Number	Mg KOH/g	ASTMD 664 ASTMD 974	n/a 0.25	Nil						ASTMD 664 ASTMD 974			ASTMD 664 ASTMD 974		Nil		
Sulphur Content	Mg/Kg	ASTMD 4294 ASTMD 5453	50	48	0.005	0.005	-	0.005	0.003	ASTMD 4294 ASTMD 129		30.00	ASTMD 4294 ASTMD 5453 IP336 ASTMD 2622	500	500	50.00	50.00