



## SPECIFICATION FOR AUTO DIESEL (P-013)

Property/Test	Test	Method	Specifications
	IP	ASTM-D	
Appearance			Clear & free from water and impurities
Density @15 0 C kg/m 3	160	1298	Max 870
Colour ASTM	196	1500	Report
Marketing Colour			Amber
Distillation	123	86	
IBP o C			Report (156-194)
10% Evaporated 0 C			Report (201 - 266)
50% Evaporated 0 C			Report (279 - 294 )
90% Evaporated 0 C			Max 370
Recovery @ 315 0 C			Min 50
Recovery @ 350 0 C			Min 80
Cetane Index or		976	Min 45 **
Cetane Number		613	Min 48
Cloud Point 0 C ( 0 F)		2500	Max 15.5 (Max 60)
CFPP 0 C ( 0 F)	309		Max 10 (Max 15)
Sulphur Content % (w/w)	61	129 or 1552	Max 0.3
Flash Point (PMCC) 0 C ( 0 F)	34	93	Min 60 (Min 140)
Viscosity Kin @37.8 0 C cst	71	445	1.5 -5.0
Water Content % (v/v)	74	95	Max 0.005
Cu Strip corrosion 3 hrs @ 50 0 C	154	130	Max 1
Ash % w/w	4	482	Max 0.02
Carbon residue Ramsbottom	14	524	Max 0.3
on 10% residue % (w/w)	53	473	Max 0.01
Sediment by extraction % (w/w)	1	974	Max 0.2
Total Acid No. KOH mg /g	1	947	Nil
Strong Acid No. KOH mg /g	12	240	Min 10500
Caloric value gross K Cal/KG			
**N/A if any cetane improver additive is present			