



### Sales Specification

**Product:** AnClear32 Diesel Exhaust Fluid

**Description:** American Petroleum Institute certified Diesel Exhaust Fluid

#### ISO 22241-1 Quality Characteristics of DEF fluid

Characteristics	Unit	Limits		Test methods
		Min.	Max.	
Urea content	% (m/m)	31.8	33.2	ISO 22241-2 Annex B ISO 22241-2 Annex C
Density at 20 °C	Kg/m3	1087.0	1093.0	ISO 3675 or ISO 12185
Refractive index at 20 °C	---	1.381 4	1.384 3	ISO 2241-2 Annex C
Alkalinity as NH3	% (m/m)	---	0.2	ISO 22241-2 Annex D
Biuret	% m/m)	---	0.3	ISO 22241-2 Annex E
Aldehydes	mg/kg	---	5	ISO 22241-2 Annex F
Insoluble matter	mg/kg	---	20	ISO 22241-2 Annex G
Phosphate (PO4)	mg/kg	---	0.5	ISO 22241-2 Annex H
Calcium	mg/kg	---	0.5	ISO 22241-2 Annex I
Iron	mg/kg	---	0.5	
Copper	mg/kg	---	0.2	
Zinc	mg/kg	---	0.2	
Chromium	mg/kg	---	0.2	
Nickel	mg/kg	---	0.2	
Aluminium	mg/kg	---	0.5	
Magnesium	mg/kg	---	0.5	
Sodium	mg/kg	---	0.5	
Potassium	mg/kg	---	0.5	
Identity	---	Identical to reference		ISO 22241-2 Annex J

The above identified AnClear32 Diesel Exhaust Fluid meets or exceeds the above sales Specification and is certified to American Petroleum Institute.

Sat Anand  
Quality Manager

AnClear32DEF.doc Rev. Date Feb. 22, 2016, Rev. # 2

