



Date :

Ref :

شماره :

تاریخ :

Test Certificate For Uninhibited Transformer Oil

<u>Property</u>	<u>Test method</u>	<u>Limits</u>	<u>RESULT</u>
1 – Function			
Viscosity at 40° C	ISO 3104	-	16
Pour point	ISO 3016	-	-32
Water content	IEC 733	Max.30 mg/kg ^a / 40 mg/kg ^b	15 - 16
Breakdown voltage	IEC 156	Min. 30 kV / 50 kV ^c	70
Density at 15° C	ISO 3675 or ISO 12185	Max. 0,895 g/ml	0.850 – 0.860
DDFat 90 °C	IEC 247 or IEC 61620	Max. 0,005	0.0017
2 – Refining/stability			
Appearance	--	Clear, free from sediment and suspended matter	Ok
Acidity	IEC 296	Max. 0,03 mg KOH/g	0.007
Corrosive sulfur	ISO 5662	Not corrosive	Not corrosive
Antioxidant additive	IEC 666	uninhibited oil: not detectable	Not detectable
3 – Performance			
Oxidation stability	Uninhibited oil: 164		
- Total acidity	-	-	0.5
- Sludge	-	-	0.1
DDFat 90 °C	-	-	0.35
4 - Health, safety and environment (HSE)			
Flash point	ASTM D92	Min. 145°C	150
PCB content	IEC 61619	Not detectable	Not detectable
Comment:			

PREPARED BY :	APPROVED BY :
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