

## Sunrise Petroleum FZC

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# Products Specification

## Transformer Oils

### IEC-296 Specifications

CHARACTERISTICS	TEST METHOD	IEC-296	
		MIN	MAX
<b>(A) PHYSICAL PROPERTIES</b>			
Kinematic Viscosity, mm <sup>2</sup> /sec			
at 40 °C	7.3		16.5
at -15 °C	7.3		800
Flash Point, °C ( PMCC)	7.4	140	
Pour Point, °C	7.5	<=-30	
Appearance	7.1	Clear; free from Sediment & suspended matter	
Density at 20 °C g/ml	7.2		0.895
Density at 29.5 °C g/ml	7.2		0.895
Interfacial Tension N/M at 25 °C, N/M	7.6	0.04	
<b>(B) ELECTRICAL PROPERTIES</b>			
Breakdown voltage	7.12		
As delivered, KV		30	
After treatment, KV		50	
Dielectric Dissipation Factor at 90 °C	7.13		0.005
<b>(C) CHEMICAL PROPERTIES</b>			
Acidity, mg KOH/g	7.7		0.03
Corrosive Sulphur	7.8	Non-Corrosive	
Water Content, mg/kg	7.9		40
Anti-oxidant additives	7.1	Absent	
Oxidation stability:	11.7.1		
a) Total acidity mgKOH/g			0.4
b) Sludge %by mass			0.1