

## Q8 Michelangelo A

Uninhibited transformer oil

### Description

Q8 Michelangelo A is a high performance transformer oil. It is uninhibited (U) based on naphthenic mineral oil and free from PCB's. For insulating and cooling of transformers and other oil-filled electrical equipment.

### Applications

The product can be used in all types of oil-filled electrical equipment, including power and distribution transformers and switchgears.

### Features

Dielectric strength

Low dissipation factor

### Benefits

Advanced dielectric strength

Low dissipation factor

### Specifications & Approvals

IEC 60296

### Properties

	Method	Unit	Typical
Appearance	Visual	-	Clear, free from sediment
Density, 15 °C	D 4052	g/ml	0,873
Density, 20 °C	D 4052	g/ml	0,830
Kinematic Viscosity, -30 °C	D 445	mm <sup>2</sup> /s	1000
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	10
Pour Point	D 97	°C	-48
Flash Point, P-M	D 93	°C	152
PCA content	IP 346	% mass	<3
PCB content	IEC 61619	mg/kg	not detectable
Acidity	IEC 62021	mg KOH/g	<0.01
Corrosive Sulfur	DIN 51353		non corrosive
Corrosive Sulfur	D 1275		non corrosive
Corrosive Sulfur	IEC 62535		non corrosive
Sulfur	ISO 14596	% mass	< 0.1
Inhibitors (antioxidant)	IEC 60666	% mass	non
Water content	IEC 60614	mg/kg	< 20
Furfural content	IEC 61198	mg/kg	< 0.05
Breakdown voltage, Before treatment	IEC 60156	kV	45
Breakdown voltage, After treatment	IEC 60156	kV	72
Oxidation Stability at 120 °C (164 hr), Total acidity	IEC 61125	mg KOH/g	0.7
Oxidation Stability at 120 °C (164 hr), Sludge	IEC 61125	% mass	0.2
Oxidation Stability at 120 °C (164 hr), DDF at 90 °C	IEC 61125		0.037

The figures above are not a specification. They are typical figures obtained within production tolerances.