

Shanghai Chemex Group Ltd.

Polydimethylsiloxane (Silicon Oil)

Certificate of Analysis

Item	Index	Result
Appearance	Colorless transparent liquid	Colorless transparent liquid
Viscosity at 25°C, mm ² /s, approx.	1000	1008
Specific gravity at 25°C, approx.	0.970	0.972
Flash point(Open cup), °C, approx.	300	304
Freezing point, °C, approx.	-50	-49
Refractive index at 25°C, approx.	1.403	1.405
Surface tension at 25°C, mN/m, approx.	21.1	21.13
Colour (Hazen), max.	30	22
Turbidity (NTU), max.	4	2.8
Odour	None to slight	None
Acidity [1], max.	0.15	0.12
Volatile matters [2], max.	0.3	0.1
Heavy metals (Pb; ppm), max.	5	2
Phenyl compounds (DO), max.	0.2	0.15
Mineral oils (mg/kg), max.	0.1	0.07
Identity (I.R. Spectrum)	Confirm	

Tester:

