



# TECHNICAL DATA SHEET

## Base Oil

### 4cSt

Origin: East middle

### Description

4cSt can be used in many industrial and automotive lubricant applications. These include gear oils, compressor oils, engine oils, hydraulic fluids, greases, and other functional fluids.

### Advantages

4cst products have good solubility characteristics for additives in product formulations

### Quality Specification

Tests 属性	Unit 单位	Method 测试方法	Spec.Limit 指标	Result 结果
Appearance 外观	-	ASTM D 4176-1	Clear & Bright	Clear & Bright
Viscosity, Kinematic @ 100°C 100度运动粘度	mm <sup>2</sup> /s	ASTM D 445	Min 4.200 Max 4.400	4.238
Viscosity, Kinematic @ 40°C 40度运动粘度	mm <sup>2</sup> /s	ASTM D 445	Report	18.88
Viscosity Index 粘度指数	-	ASTM D 2270	Min 121	133
Pour Point 倾点	°C	ASTM D 5949	Min -18	-21
Flash Point, (COC) 闪点	°C	ASTM D 92	Min 220	232
Evaporation Loss, Noack 蒸发损失	%m/m	ASTM D 5800	Max 14.1	12.5
Apparent Viscosity by CCS at -30°C 表观粘度	mPas	ASTM D 5293	Max 1800	1249
Sulfur 硫含量	mg/kg	ASTM D 2622	Max 10	<3.0
Water 水含量	mg/kg	ASTM D 6304	Max 50	15.00
Color, Saybolt (赛波特) 色度	-	ASTM D 156	Min +20	+30
Density @ 15°C 密度 15度	g/ml	ASTM D 4052	Report	0.8277
Copper Corrosion, 3hrs at 100°C 铜片腐蚀	-	ASTM D 130	Report	1b
Acid Number 酸值	mg KoH/g	ASTM D 664	Report	<0.1
Carbon Residue 残碳	% (m/m)	ASTM D 4530	Report	<0.1
Saturates 饱和物	mass%	ASTM D 7419	Report	99.8
Aromatics 芳烃	mass%	ASTM D 7419	Report	<0.2

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