

Group III Base Oil ICCSYN 4 (CTL technology)

Technical specifications

Inspection date: 2026-08-28

Specification limits and measured results are separate. Results apply to the source sample or batch and may vary between deliveries.

Parameter / unit	Specification	Measured result	Test method
Appearance	Transparent	Transparent	Visual
Kinematic viscosity at 100 °C (cSt)	3.80 to <4.50	4.248	GB/T 265-1988
Kinematic viscosity at 40 °C (cSt)	Report	18.86	GB/T 265-1988
Viscosity index	≥120	134	GB/T 1995-1998
Color number	≤0.5	<0.5	GB/T 6540-2025
Flash point, open cup (°C)	≥200	224	GB/T 3536-2008
Pour point (°C)	≤-18	-24	GB/T 3535-2025
Cloud point (°C)	≤-10	-15	GB/T 6896-2014
Density at 20 °C (kg/m³)	Report	814.2	GB/T 18484-2000
Acid number (mg KOH/g)	≤0.01	0.003	GB/T 4945-2002
Sulfur (µg/g)	≤10	0.6	SH/T 0689-2000
Saturates (mass %)	≥98	99.2	SH/T 0607-1994
Low temperature dynamic viscosity at -35 °C (mPa·s)	Report	1858	GB/T 6538-2022
Rotating pressure vessel oxidation at 150 °C (min)	≥300	380	SH/T 0193-2022
Evaporation loss at 250 °C, 1 h (%)	≤15	13.8	SH/T 0059-2010
Water (mg/kg)	≤50	30	GB/T 11133-2015

Source document: Dream_Petroleum_CTL-4_Specification.pdf