

Group III+ Base Oil ICCSYN 6

Technical specifications

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
Saybolt color	≥+30	+30	GB/T 3555
Density at 20 °C (kg/m³)	Report	820.1	GB/T 1884
Kinematic viscosity at 40 °C (cSt)	Measured	32.25	GB/T 265
Kinematic viscosity at 100 °C (cSt)	6.0-6.5	6.225	GB/T 265
Viscosity index	≥140	146	GB/T 1995
Pour point (°C)	≤-30	-33	GB 3535
Water (ppmw)	≤50	48	GB/T 11133
Noack evaporation loss at 250 °C, 1 h (wt%)	≤8	5.1	SH/T 0059
Flash point, open cup (°C)	≥230	270	GB/T 3536
Low-temperature dynamic viscosity at -30 °C (mPa·s)	<3500	2770	GB/T 6538
Aromatics (wt%)	<0.1	Not detected	SH/T 0966
Sulfur (ppm)	≤5	<0.5	SH/T 0689

Source document: Dream_Petroleum_Product_Specifications_ICCSYN4_ICCSYN6.pdf

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Product specification

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	Clear	-	Visual
Color (Saybolt)	$\geq +30$	-	GB/T 3555
Density (20°C) (kg/m ³)	815~825	-	GB/T 1884
Kinematic Viscosity (40°C) (cSt)	30~35	-	GB/T 265
Kinematic Viscosity (100°C) (cSt)	6.0~6.5	-	GB/T 265
Viscosity Index	≥ 140	-	GB/T 1995
Pour Point (°C)	≤ -30	-	GB 3535
Water Content (ppmw)	≤ 50	-	GB/T 11133
Evaporation Loss (wt%)	≤ 8	-	NB/SH/T 0059
Flash Point (Open Cup) (°C)	≥ 230	-	GB/T 3536
Low-Temp Dynamic Viscosity (-20°C) (mPa·s)	< 3500	-	GB/T 6538
Aromatics (wt%)	≤ 0.1	-	SH/T 0966
Sulfur (ppm)	≤ 5	-	SH/T 0689

Source document: Base Oil Group III + 6 Spec.pdf

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Sample certificate - 16 May 2026

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Parameter / unit	Specification	Measured result	Test method
Appearance	Clear	Clear	Visual
Saybolt Color	$\geq +30$	+30	GB/T 3555
Density (20°C) (kg/m ³)	Report	819.8	GB/T 1884
Kinematic Viscosity (40°C) (cSt)	Report	32.05	GB/T 265
Kinematic Viscosity (100°C) (cSt)	6.0 - 6.5	6.203	GB/T 265
Viscosity Index	≥ 140	146	GB/T 1995
Pour Point (°C)	≤ -30	-30	GB/T 3535
Water Content (ppm)	≤ 50	19	GB/T 11133
Noack Evaporation Loss, wt.% (250°C, 1h)	≤ 8.0	5.2	NB/SH/T 0059
Flash Point (COC) (°C)	≥ 230	253	GB/T 3536
CCS Viscosity (-30°C) (mPa·s)	≤ 3500	2709	GB/T 6538
Aromatic Content, wt. %	< 0.1	Not Detected	SH/T 0966
Sulfur Content (ppm)	≤ 5	< 0.5	SH/T 0689

Source document: COA_Quality_Certificate_EN-Dream.pdf