

PRODUCT SPECIFICATION

Product	SORBO52 Base Oil
Document Number	PS-006
Version	5.0
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Property	Units	Method	Specification
Appearance	-	ASTM D4176	Clear & Bright
Colour	-	ASTM D1500	2.5 max (L2.0 typical)
Density*	kg/L	ASTM 4052	Report (0.86 typical)
Kinematic Viscosity @ 40C	mm ² /s	ASTM D7042	47-57
Kinematic Viscosity @ 100C	mm ² /s	ASTM D7042	6.7-8.6
Viscosity Index	-	ASTM D2270	109 min
Flash Point	°C	ASTM D93	200 min
Water	mg / kg	ASTM 6304	100 max
Corrosion Copper Strip	(3hr @ 100C)	ASTM D130	1A max
Pour Point	°C	ASTM D97	-6 max
Total Acid Number	mg (KOH) /g	ASTM D974	0.03 max
Polyaromatic Hydrocarbons	mg / kg	SWA-846 8275	400 max (specified)
Polychlorinated Biphenyls	mg / kg	SWA-846 8082	2.0 max
dioxins/furans	WHO-TEQ pg / g	EPA D974-97	10 max
Modified AMES test	Mutagenicity Index	ASTM E1687	1 max
Heavy Metals: As, Cr, Cd, Pb	mg / kg	ASTM D5185	1 max
Metals: Ag, Al, B, Ba, Ca, Cu, Fe, Mg	mg / kg	ASTM D5185	<1
Metals: Mn, Mo, Na, Ni, Sn, Ti, Zn	mg / kg	ASTM D5185	<1
Metals: Si, P	mg / kg	ASTM D5185	<5
Distillation: 5% / 50% / 95%	°C / °C / °C	ASTM D86	0
Foaming Tendency (Seq'II)*	mL / mL	ASTM D892	70/Nil
Water Separation @54°C*	m L/ mL / mL	ASTM D1401	40/37/4 (30min)
Conradson Carbon Residue*	% w/w	ASTM D189	0.05
Aniline Point*	°C	ASTM D611	110
Volatility(NOACK conversion)*	%	ASTM D5800	5.5
Paraffin/Naphtha/Aromatic*	%w/w	ASTM D2140	68/30/2
Refractive Index	-	ASTM 1218	0
PCA Extract	% mass	IP 346	0
Particulate ISO count	-	ISO 4406: 1999	0
Saturates*	%w/w	ASTM D2007	90 min
Ash content*	%w/w	ASTM D482	0.01
Sulphur*	%w/w	ASTM D1552	0.1

* Not specified, typical results only noted