

PRODUCT SPECIFICATION SHEET

Ethanol 190 Proof, SDA 40B

Denatured with Tert-Butyl Alcohol and Denatonium Benzoate

Denatured Ethanol Specification	Test method	Min	Max
Apparent Proof	Hydrometer	Report	
Appearance	ATSM D4176	Pass (clear & bright)	
Denaturant (Bitrex)	Metered	For every 100 gallons of alcohol 1.80 grams of denatonium benzoate is added	
Density, kg/m ³ , 20°C	ATSM D4052	Report	
Density, kg/m ³ , 15°C	ATSM D4052	Report	
Specific Gravity, 15°C	ATSM D4052	Report	
Ethanol, volume %	ATSM D5501	92.0%	
Methanol, volume %	ATSM D5501		0.5%
pHa	ATSM D6423	6.5	9
Total Acidity (as acetic acid), mass %	ATSM D7795		0.007%
Water Content, Mass %	ATSM E1064		1.0%
Water Content, Volume %	ATSM E1065		0.8%

Outside Lab Certification	Test method	Min	Max
Aromatic Hydrocarbon, volume %	CAN/CGSB 3.0 No. 14.3-99		2.5
Benzene, volume %	CAN/CGSB 3.0 No. 14.3-99		0.25
Chloride, Inorganic, content - mg/kg	ASTM 7319		10.0
Conductivity, µS/m	ASTM D1125		500
Copper, mg/L	ASTM D1688 Method A		0.1
Phosphorus, mg/L	ASTM D3231		1.3
Solvent Washed Gum content, mg/100mL	ASTM D381		5.0
Steel Corrosion	NACE TM-0172		B+
Sulphate, mg/kg	ASTM D7319		4
Sulphur, mg/kg	ASTM D5453		40