



TECHNICAL DATA SHEET

PRODUCT NAME: ETHANOL 99.9

Properties	Units	Limits	Test Methods
Appearance		Clear and free from suspended matter	Visual; ASTM D4176
Colour	Pt-Co	2.5 max	ASTM D1209; ISO 6271
Water	mass %	0.15 max	ASTM D1364; ISO 760
Acidity as CH ₃ COOH	mg/kg	30 max	ASTM D1613; ISO 1388/2
Ethanol (dry basis)	vol %	99.99 min	GC
Carbonyls as acetaldehyde	mg/kg	20 max	ISO 1388/4; UOP 624
Ester as ethyl acetate	mg/kg	50 max	ISO 1388/9; BS 6392 Part 8
Methanol	mg/kg	20 max	GC
Higher alcohols as isobutanol	mg/kg	10 max	Komarowski; GC

Further Properties	Units	Typical values	Test Methods
Density at 20°C	g/ml	0.789	ASTM D4052; ISO 12185
Distillation at 101.3 kPa: Initial boiling point Dry point	°C °C	79 80	ASTM D1078; ISO 918
Water miscibility		Complete	ASTM D1722; ISO 1388-6
Residue on evaporation	mg/100ml	0.8	ASTM D1353; ISO 759