

# SPECIFICATION

## Propyleneglycol,-1,2 / Propylene Glycol

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Revision No.: 2

<b>Chemical- / INCI Name:</b>	<b>Propyleneglycol,-1,2 / Propylene Glycol</b>
<b>CAS No.:</b>	57-55-6
<b>EC No:</b>	200-338-0
<b>Origin:</b>	Petrochemical

Items	Unit	Specification	Test method
Color	APHA	10 max	Pt-co colorimetry
Moisture	WT %	0.2 max	Karl Fischer
Specific Gravity	20°C/20°C	1.035-1.039	Hydrometer
Refractive index	[n] <sub>D</sub> 20	1.431-1.433	Refractometer
Distillation range	°C	184-189	GC
Identification	—	passed	IR
Acidity	mol/L	0.20 max	Titration
Chloride	WT %	0.007 max	ICP-MS
Sulfate	WT %	0.006 max	ICP-MS
Fe	ppm	0.1 max	ICP-MS
Heavy metals (Pb)	ppm	5 max	ICP-MS
Residue on ignition	WT%	0.007 max	Drying method
Assay	WT%	99.8 min	GC
Limit of Diethylene glycol	WT%	0.008 max	GC
Limit of Ethylene glycol	WT%	0.008 max	GC
Appearance		Colorless liquid	Observation

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