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Typical Product Specifications & Properties

Propylene Glycol USP

CAS Number: : 57-55-6

Specifications	Limits
Odor	Practically oderless
Solubility (grams/100 g water) at 100°C	Water Solubility @ 25°C, — Pass — Visual
Reducing Substances	Pass ————— Current EP
Specific Gravity (20°C/4°C)	(@25/25°C) 1.0351 - 1.0364 ——— ASTM D4052-9
Color, Pt-Co	10 max ————— ASTM D53
Test Item & Description	Limit ——— Unit ———
Heavy Metals, as Pb	5 max ——— ppm — Current USP
Sulfate, compare to Standard	0.006 max — %wt — Current USP
Iron	0.300 max — ppm — TPO-G2A
Assay, Calculated	99.00 min — % wt — DOWM 100687
Acidity, as Acetic Acid	0.002 max — % wt — DOWM 101370-TE3A
Sensoric	Liquid, slightly sweet taste



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Specifications	Limits
Chlorides, compare to standard	0.007 max — %wt — Current USP
Identification, matches IRS Scan	Pass ————— Current USP
Residue on Ignition	(% wt) — 0.007max — Current USP
Organic Volatiles	Pass/Fail ——— Current USP
Water content(ppm)	0.2 max — % wt — Current USP
Color, APHA; ASTM D 1209	Colorless, clear
Oxidizing Substances, 0.05M sodium thiosulfate	0.2 max — ML ——— Current EP
Relative Density (20 °C)	1.0350 - 1.0400 ——— Current EP



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