

CERTIFICATE OF ANALYSIS (COA)

Supplier: Botanic Planet Canada Inc.

Product Name: Propylene Glycol USP

INCI Name: Propane-1,2-diol; 1,2-Propanediol; Alpha-Propylene Glycol; MPG

CAS No.: 57-55-6

Lot No.: BPCPGUSP82026

Country of Origin: India

Expiry Date: August 2029

Property Specification Result

Appearance:	Clear, colorless, viscous liquid	
Odor:	Practically odorless	
Solubility:	Completely miscible with water, alcohol, acetone, and many organic solvents.	
Monopropylene Glycol	≥ 99.7% wt	Complies
Dipropylene Glycol	≤ 0.1000% wt	Complies
Monoethylene Glycol	≤ 0.10% wt	Complies
Diethylene Glycol	≤ 0.1000% wt	Complies
Water	≤ 0.50% wt	Complies
Color (APHA)	≤ 3	Complies
Clarity at 25°C	1.0350–1.0370 NTU	Complies
Specific Gravity (25°C)	1.4310	Complies
Refractive Index (nD20)	≤ 1.4330	Complies
Neutralization Number	≤ 0.100 mg KOH/g	Complies
Acidity (as Acetic Acid)	≤ 0.0020% wt	Complies
Sulphated Ash	≤ 1.0 mg/kg	Complies
Chloride	≤ 60 mg/kg	Complies
Sulphate	≤ 185–189 mg/kg	Complies
Distillation Range (Oxidizing Substances)	Meets USP/EP Requirements	Complies
Reducing Substances	Meets USP/EP Requirements	Complies
Volatile Organic Substances	Meets USP/EP Requirements	Complies
Heavy Metals	Meets USP/EP Requirements	Complies
Iron	≤ 5 mg/kg	Complies
Arsenic	≤ 0.30 mg/kg	Complies
Lead	≤ 2.0 mg/kg	Complies
Cadmium	≤ 1.0 mg/kg	Complies
Mercury	Meets USP/EP Requirements	Complies

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