

Certificate of Analysis

Date of Issue: AUG.07,2023

Product Name: PROPYLENE GLYCOL USP GRADE
 Batch Number: ACG/QD-230731A
 Production Date: JUL.31,2023
 Expiry Date: JUL.30,2025

Test Description	Unit of Measure	Specifications		Test Result
		Minimum	Maximum	
Assay as PG on a dry basis	weight %	99.5		99.75
Water	weight %		0.2	0.06
Color, Pt-Co	APHA Color		10	5
Specific Gravity @25/25C	-	1.0350	1.0370	1.0370
Refractive Index @25C	-	1.4310	1.4320	1.4310
Acidity (ml 0.1N NaOH/10ml)	-		0.05	0.022
Chloride as Cl	weight %		0.007	0.001
Sulfate	weight %		0.006	<0.006
Heavy Metals as Pb	weight ppm		5	1
Residue on Ignition	weight ppm		70	27
Arsenic as As	weight ppm		1	<1
Iron	weight ppm		0.5	0.01
Ethylene Glycol	weight %		0.008	Non-detected <0.001
Diethylene Glycol	weight %		0.008	Non-detected <0.001
Organic Volatile Impurities		pass		pass
Distillation range (L),	degrees C	184	189	pass
Distillation range (U),	degrees C	184	189	pass
Distillation volume, Vol%	vol%	95		pass

End of Test Data

Specification Version:20221101

Please test the sample before using this product for the first time.

This product cannot be used for medicines, food supplements and nutraceuticals.

For Further Questions, Please Contact Echemi Global Co., Limited

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