



Shinghwa Ampere Technology(Dongying)Co.,Ltd.

Certificate of Analysis

Product Name: Propylene Glycol USP

Batch Number:1P03-202512152

Quantity:18040KGS

Manufacturing Date:10TH.DEC,2025

Expiry Date:9TH.DEC,2027

Item	Unit	Specification	Result
MPG content	Wt %	99.8 min	99.90
EG	ppm	50 max	NON-DETECTED
DEG	ppm	50 max	NON-DETECTED
Moisture	ppm	500 max	220
Color	APHA	5	5
Acidity	%	0.02 max	0.0013
IBP	DegC	186 min	186.8
DP	DegC	190 max	188.6
Iron	ppm	0.5 max	< 0.5
Sulfate	ppm	10 max	< 10
Chloride	ppm	0.5 max	< 0.5
Heavy Metals(Pb)	ppm	5 max	< 5
Residue on Ignition	mg	2.5 max	0.6
Specific Gravity	20degC	1.035-1.039	1.037
Mutual Solubility	-----	Intermixed with water,ethanol or chloroform	Intermixed with water,ethanol or chloroform
Efractive index	20℃	1.431-1.433	1.4320
Arsenic salt(以 As 计)	ppm	1 max	passed
Refractive Index	nD20	1.431-1.435	1.432
Appearance		Colorless,Viscous, transparent liquid	Colorless,Viscous, transparent liquid

Conclusion: The product of this batch meets/complies with the USP specification.

