



胜华新能源科技（东营）有限公司  
SHINGHWA AMPEREX TECHNOLOGY (DONGYING) CO LTD

## Certificate of Analysis

Product Name: MONO PROPYLENE GLYCOL  
Batch Number: 2P03-202202037  
Quantity: 20000KGS  
Manufacturing Date: FEB 2, 2022  
Expiry Date: FEB 1, 2023  
Issuing date:FEB 2, 2022

Item	Unit	Specification	Result
PG content	Wt %	99.50 min	99.86
Moisture	%	0.2 max	0.0113
Density (20°C)	g/cm <sup>3</sup>	1.035-1.040	1.037
Index of refraction	nD20	1.428-1.435	1.432
Acidity	%	0.02 max	0.003
Distillation range	°C	183-190	184-188
Colourity (Pt-Co)	APHA	10	5
Appearance		Colorless, Viscous, transparent liquid	Colorless, Viscous, transparent liquid

Conclusion: The product of this batch can match the specification by analysis.

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Authorized Signature