



CERTIFICATE OF ANALYSIS

Product Name	2-Phosphonobutane-1,2,4-Tri carboxylic Acid (PBTC) 50%	Batch No.	JL202500919
CAS	37971-36-1	MF Date	SEP.19,2025
Packing	1250KG/IBC	Analysis Date	SEP.19,2025
Quantity	5000kg	Expiry Date	SEP.18,2026
ITEM	STANDARD		RESULT
Appearance	Clear, Colorless to pale yellow aqueous		Colorless to pale yellow aqueous
Active acid, %	50.0 min		51.3
Phosphorous acid (as PO ₃ ³⁻)	0.5 max		0.17
Phosphoric acid (as PO ₄ ³⁻) %	0.2 max		0.11
Density (20°C), g/cm3	1.27 min		1.295
pH (1% water solution)	1.5-2.0		1.80
Fe, mg/L	10.0 max		1.70
Chloride (as Cl ⁻), %	10.0 max		6.
Conclusion	Qualified		

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