

**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Itaconic Acid	<b>Batch No.</b>	JL20240326
<b>CAS</b>	97-65-4	<b>MF Date</b>	MAR.26,2024
<b>Packing</b>	25kg/bag	<b>Analysis Date</b>	MAR.26,2024
<b>Quantity</b>	1000kg	<b>Expiry Date</b>	MAR.25,2026
<b>ITEM</b>	<b>STANDARD</b>		<b>RESULT</b>
<b>Appearance</b>	White crystals		White crystals
<b>Color (5% Water solution)</b>	5 APHA Max		3 APHA
<b>5% Water solution</b>	Colorless and transparent		Colorless and transparent
<b>Melting point</b>	165°C-168°C		165.7°C-166.4°C
<b>Sulphates</b>	20 PPM Max		10 PPM
<b>Chlorides</b>	5 PPM Max		3 PPM
<b>Heavy metals (as Pb)</b>	5 PPM Max		1 PPM
<b>Iron</b>	5 PPM Max		1 PPM
<b>As</b>	4 PPM Max		< 2 PPM
<b>Mn</b>	1 PPM Max		0.04 PPM
<b>Cu</b>	1 PPM Max		0.1 PPM
<b>Loss on drying</b>	0.1 % Max		0.08 %
<b>Residues on ignition</b>	0.01 % Max		0.008 %
<b>Assay</b>	99.70 % Min		99.89 %
<b>Granular particle size distribution</b>	20-60 Mesh 80 % Min		84 %
<b>Conclusion</b>	<b>Qualified</b>		

**Analyst:** *Wen Qian***Quality Assurance Officer:** *Zhan Peng*