



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	BIO-231
Product	α-Ketoglutaric acid disodium salt dihydrate
Lot Number	002518-40-20180502 Disodium α -ketoglutarate dihydrate
CAS Number	305-72-6
Molecular Formula	$C_5H_4Na_2O_5 \cdot 2H_2O$
Molecular Weight	226.13
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Appearance	White crystalline powder
Heavy Metals	< 10 ppm (as Pb)
Anion	Chloride (Cl ⁻): < 300 ppm Sulfate (SO ₄ ²⁻): < 200 ppm
Cation	Ammonium (NH ₄ ⁺): < 200 ppm Iron (Fe ³⁺): < 30 ppm Arsenic(As): < 1.0 ppm Lead(Pb): < 1.0 ppm Cadmium(Cd): < 1.0 ppm Mercury(Hg): < 0.1 ppm
Yeast and Mold	< 100 cfu/g
Transmission	97.6%
Loss on Drying	16.3%
Coliform Organisms	< 10 cfu/g
E. Coli, Salmonella, S.Aureus	Negative
Microbial Count	< 1000 cfu/g (Total plate count)
Assay	99.2%
Storage	Store at RT

Prepared by:
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Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
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Sujata Moton
VP