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## Certificate of Analysis

<b>Product</b>	<b>28386 - a-Ketoglutaric Acid (High Purity) extrapure AR, 99.5% - [328-50-7]</b>
<b>Batch No</b>	<b>1401727</b>
<b>Analysis Date</b>	12-Feb-2024
<b>Date of Manufacture</b>	February 2024
<b>Expiry Date/Re-Test Date</b>	February 2029
<b>Molecular Formula</b>	C5H6O5
<b>Molecular Weight</b>	146.10

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to pale yellow	Pale yellow
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless to pale yellow	Pale yellow
Assay (by Neutralization)	min. 99.5%	99.7%
Melting Point	115 - 118°C	116.8°C
Sulphated Ash	max. 0.05%	0.03%
Chloride (Cl)	max. 0.005%	Passes
Sulphate (SO4)	max. 0.01%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes

FRM/82/11/4/28386 Rev No. 5 Date 11/02/2024

Prepared by Yogesh

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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