

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	00070
<b>Lot Number</b>	002436-20171202
<b>Product</b>	<b><math>\alpha</math>-Ketoglutaric acid</b> 2-Oxoglutaric acid
<b>CAS Number</b>	328-50-7
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>6</sub> O <sub>5</sub>
<b>Molecular Weight</b>	146.1

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<b>Appearance</b>	White crystalline powder
<b>Melting Point</b>	114-116 °C
<b>Heavy Metals</b>	< 10 ppm (as Pb)
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): < 200 ppm Sulfate (SO <sub>4</sub> <sup>2-</sup> ): < 200 ppm
<b>Cation</b>	Ammonium (NH <sub>4</sub> <sup>+</sup> ): < 200 ppm Iron (Fe): < 30 ppm Arsenic (As): < 3 ppm
<b>Transmission</b>	98.3% (10% in H <sub>2</sub> O)
<b>Loss on Drying</b>	0.22%
<b>Residue On Ignition</b>	0.10%
<b>Assay</b>	99.62%
<b>Storage</b>	Store at RT
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager