



Specification

α -Ketoglutaric Acid

Catalog Number:	KA1002
CAS Number:	328-50-7
Synonym(s):	2-Oxoglutaric acid, 2-Oxopentanedioic acid
Molecular Formula:	C ₅ H ₆ O ₅
Molecular Weight:	146.10
Storage:	2°C – 8°C
Retest Period:	Five years from date of manufacture.

Test	Specification
Appearance*	White to off-white crystalline powder
Purity	≥ 96.0%
Melting Point*	105.0°C – 115.0°C
Transmittance	≥ 95.0%
Solubility (10mg/mL H ₂ O)*	Clear & colorless
Moisture (LOD)	≤ 1.0%
Residue on Ignition	≤ 0.2%
Ammonium	≤ 200ppm
Chloride	≤ 200ppm
Sulfate	≤ 200ppm
Heavy Metals	≤ 10ppm
Iron	≤ 30ppm
Mesh Size	95% thru 30mesh

Approved:

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