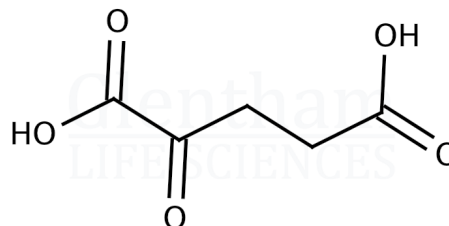


Certificate of Analysis

Product Name	2-Ketoglutaric acid
Glentham Code	GP9006
CAS Number	328-50-7
EINECS	206-330-3
MDL Number	MFCD00004165
PubChem SID	310275626
Additional CAS	305-72-6 ($\cdot 2\text{Na} \cdot 2\text{H}_2\text{O}$)
Additional CAS	22202-68-2 (mono Na)
Batch Number	604ULQ



Molecular Weight	146.10
Molecular Formula	$\text{C}_5\text{H}_6\text{O}_5$
Storage Temp.	+4°C

Property	Specification	Batch 604ULQ
Physical Description	White to off-white crystalline powder	White crystalline powder
Identification (IR)	Conforms to standard	Conforms
Solubility (10% in water)	Clear to faintly turbid, colourless or almost colourless solution	Clear, colourless solution
Melting Point	110.0 - 117.0 °C	116.5°C
Heavy Metals (as Pb)	≤ 10ppm	Conforms
Iron (Fe)	≤ 30ppm	Conforms
Loss on Drying	≤ 1.0% (60°C, 1h)	0.5%
Assay (Titration)	98.0 - 101.5 %	99.9%

Specification Version	v1.2
Manufacture Date	2024-08-27
Re-Test Date	2033-09-30

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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