Certificate of Analysis

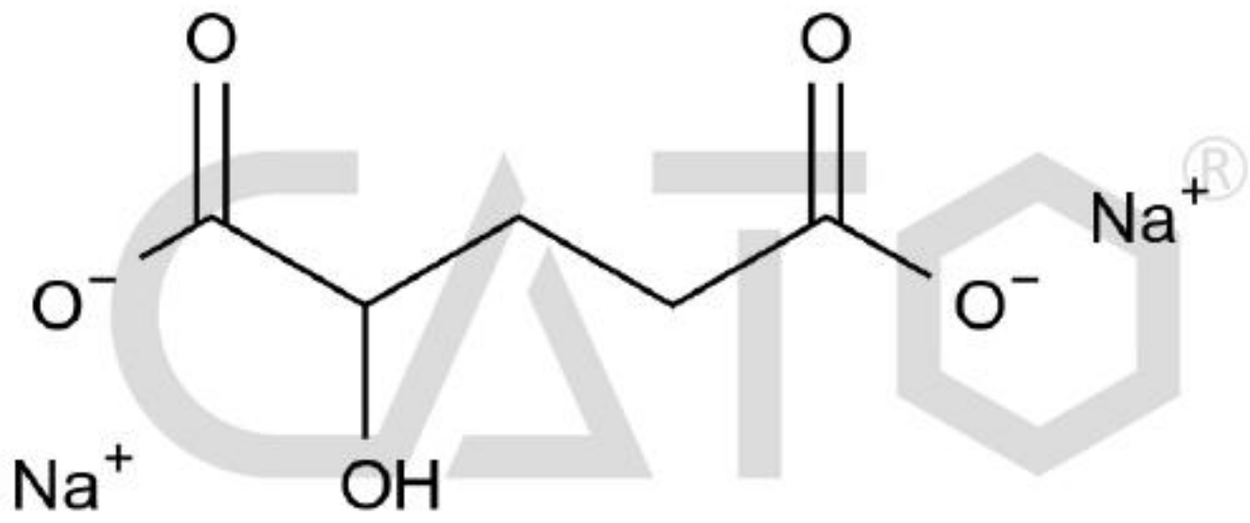
Reference Material & Standard

Product Name:	DL-α-Hydroxyglutaric acid disodium salt	**Catalogue Number:**	CS332434
Synonyms:	N/A	**Lot Number:**	0731-SA-7547
CAS Number:	40951-21-1	**Expiry Date:**	Jul 30, 28
Molecular Formula:	$C_5H_6O_5$ 2*Na	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	146.10 2*22.99		

Warning:



Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification:	LC&HNMR	Confirmed
Purity:	HPLC	98.103%
Uncertainty		±2.0%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: Lisa Date: Jul 31, 24

Reviewed by: Yuki Date: Jul 31, 24

Approved by General Manager: David Date: Jul 31, 24

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Directions:

1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.

2. Minimum sample size: 1mg is recommended as the minimum sample size.

3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.

4. Instructions for handling and correct use: Handling in a well-ventilated place.

Document Version:

Revision No.	Date	Reason for Revision
01	Jul 31, 24	First release.

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