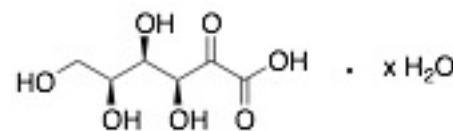


CERTIFICATE OF ANALYSIS**1. Identification**

Catalogue Number X750305 Lot Number 18-SBL-68-1

Product Name
L-Xylo-2-Hexulosonic Acid Hydrate

StructureSynonyms

2-Keto-L-gulonic Acid Hydrate; 2-Oxo-gulonic Acid Hydrate; Provitamin C Hydrate; D-Sorbosonic Acid Hydrate

CAS Number

342385-52-8

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula $C_6H_{10}O_7 \bullet x H_2O$ Source of Product

N/A

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

194.14 + x(18.02)

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Pale Yellow to Brown Solid	Pale Beige to Pale Brown Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 34.15, %H: 5.44
HPLC Purity	>95%	99.43% (ELSD)
MS	Conforms to Structure	Conforms
Water Content	Report Result	7.3% by Karl Fischer

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed.

The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			12/3/2024	12/1/2028

Vijaya Annapareddy
Product Quality Specialist

Toni Rantanen
Manager, Quality Assurance

Sadaf Samadi
Quality Assurance Associate