



CERTIFICATE OF ANALYSIS

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1. Identification

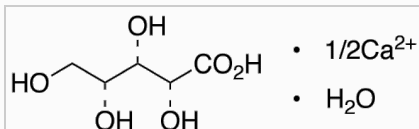
Catalogue Number: X750000

CAS Number: NA

Product: D-Xylonic Acid Calcium Salt Hydrate

Synonym: Calcium D-Xylonate Hydrate

Structure:



Molecular Formula:

$\text{C}_{10}\text{H}_{18}\text{CaO}_{12} \cdot x\text{H}_2\text{O}$

Molecular weight:

$370.32 + x(18.02)$

Source of Product:

Synthetic

Solubility:

Water (Slightly)

Lot Number: 45-OTM-193-1

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Water Content	Report Result	5.7% by Karl Fischer
Appearance	White to Pale Beige Solid	Off-White to Pale Beige Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 29.87, %H: 5.33
Calcium Content	Report Result	9.85% by Ion Chromatography
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	$+12.7^\circ$ ($c = 0.3$, Water)
HPLC Purity	Report Result	97.26% (ELSD)

Additional Information: Contains: $\sim 1.9\%$ Acetone

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

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Neha Khanna	Toni Rantanen	Chanell Chu	3/3/2022	3/1/2026