



CERTIFICATE OF ANALYSIS

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1. Identification

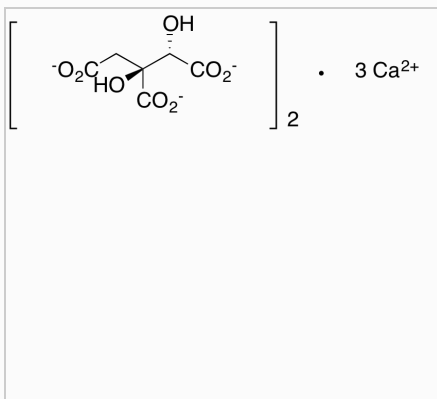
Catalogue Number: C145600

CAS Number: 921226-01-9

Product: Calcium (-)-Hydroxycitrate

Synonym: 3-C-Carboxy-2-deoxy-D-erythropentonic Acid Calcium Salt (2:3);

Structure:



Molecular Formula:

$C_{12}H_{10}O_{16}Ca_3$

Molecular weight:

530.43

Source of Product:

N/A

Solubility:

Aqueous Acid (Slightly, Sonicated), Trifluoroacetic Acid (Slightly, Heated)

Lot Number: 21-ZEA-30-1

Purity: 97%

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:
Elemental Analysis	Conforms	%C: 23.61, %H: 2.78
Calcium Content	Report Result	19.80% by Ion Chromatography
Appearance	White to Pale Yellow Solid	White Solid
NMR	Conforms to Structure	Conforms
Specific Rotation	Report Result	-4.0° (c = 0.2, 1M HCl)
Water Content	Report Result	8.3% by Karl Fischer
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.10% (ELSD)

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

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	6/28/2021	6/26/2025