



CERTIFICATE OF ANALYSIS

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1. Identification

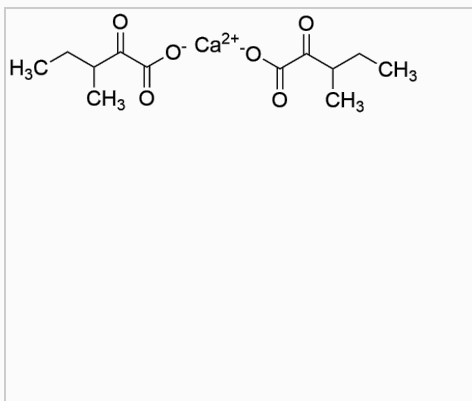
Catalogue Number: C280040

CAS Number: 66872-75-1

Product: Calcium 3-methyl-2-oxopentanoate

Synonym:

Structure:



Molecular Formula:

C₁₂H₁₈CaO₆•

Molecular weight:

298.35

Source of Product:

N/A

Solubility:

Aqueous Base (Slightly),
Water (Slightly), Methanol
(Slightly)

Lot Number: 21-ZEA-124-3

Purity: 98%

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: 44.16, %H: 6.58
Water Content	Report Result	9.7% by Karl Fischer
Specific Rotation	Report Result	+0.4° (c = 0.5, Water)
Appearance	White to Off-White Solid	White Solid
MS	Conforms to Structure	Conforms
NMR	Conforms to Structure	Conforms
Calcium Content	Report Result	12.11% by Ion Chromatography

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 ± 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	9/30/2021	9/28/2025