



CERTIFICATE OF ANALYSIS

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1. Identification

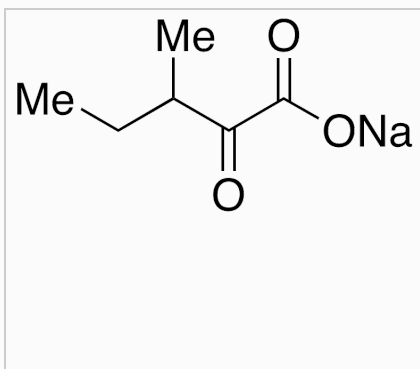
Catalogue Number: M326420

CAS Number: 3715-31-9

Product: 3-Methyl-2-oxovaleric Acid Sodium Salt

Synonym: 2-Oxo-3-methylpentanoic Acid Sodium Salt; 3-Methyl-2-oxopentanoic Acid Sodium Salt; Sodium 3-methyl-2-oxopentanoate; Sodium 3-methyl-2-oxovalerate; Sodium α -Keto- β -methylvalerate;

Structure:



Molecular Formula:

C₆H₉NaO₃

Molecular weight:

152.12

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 17-SBL-155-1

Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 47.09, %H: 6.10
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	0.0° (c = 0.5, Water)
Sodium Content	Report Result	14.85% by Ion Chromatography
HPLC Purity	Report Result	99.83% (205 nm)

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

Nicole Yip



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

7/15/2021

Retest Date

7/13/2025