



CERTIFICATE OF ANALYSIS

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1. Identification

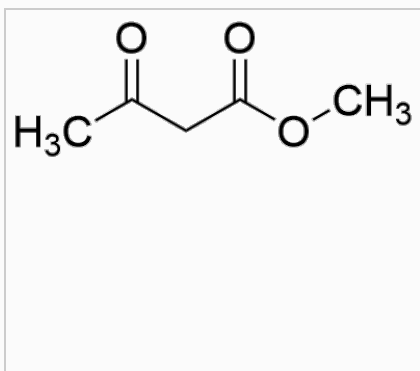
Catalogue Number: 0848425

CAS Number: 105-45-3

Product: Methyl Acetoacetate

Synonym: Methyl Ester Acetoacetic Acid; 3-Oxobutanoic Acid Methyl Ester; 3-Oxobutyric Acid Methyl Ester; Acetoacetate Methyl Ester; Methyl 3-Oxobutanoate; Methyl 3-Oxobutyrate; Methyl Acetoacetate; Methyl Acetylacetate

Structure:



Molecular Formula:

C₅H₈O₃

Molecular weight:

116.12

Source of Product:

N/A

Solubility:

Chloroform (Soluble),
Methanol (Slightly)

Lot Number: 13-FGD-327-1

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped With Blue Ice

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 51.65, %H: 7.12
HPLC Purity	Report Result	95.01% (196 nm)
MS	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms

Additional Information: Contains: ~0.9% Acetone

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
Swathi Reddy	Toni Rantanen	Chanell Chu	10/19/2022	10/17/2026