



CERTIFICATE OF ANALYSIS

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1. Identification

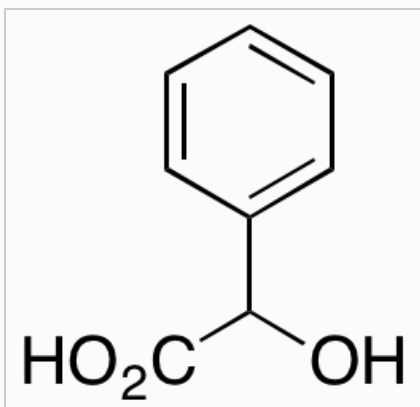
Catalogue Number: M162525

CAS Number: 90-64-2

Synonym: α-Hydroxy-Benzeneacetic acid; (RS)-2-Hydroxy-2-phenylacetic Acid; (RS)-Mandelic Acid; (±)-2-Hydroxy-2-phenylethanoic Acid; (±)-Mandelic Acid; (±)-α-Hydroxybenzeneacetic Acid; (±)-α-Hydroxyphenylacetic Acid; 2-Hydroxy-2-phenylacetic Acid; 2-Phenyl-2-hydroxyacetic Acid; 2-Phenylglycolic Acid; Almond Acid; Amygdalic Acid; DL-Amygdalic Acid; DL-Hydroxy(phenyl)acetic acid; DL-Mandelic acid; NSC 7925; Paramandelic acid; Phenylglycolic Acid; Phenylhydroxyacetic Acid; Uromaline; dl-Mandelic Acid; α-Hydr

Product: Mandelic Acid

Structure:



Molecular Formula:

C₈H₈O₃

Molecular weight:

152.15

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 5-SYQ-60-1

Purity: 98%

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

Storage Condition: 20°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-0.2° (c = 1.0, Methanol)
FT-IR	Conforms to Structure	Conforms
HPLC Purity	>95%	100.00% (210 nm)

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol = 9 : 1; Visualized with UV and KMnO₄; Single Spot, R_f = 0.40.

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

Eric Beaton

**Reviewed By**

Toni Rantanen

**C of A Approved
By**

My Nguyen

**Test Date**

2/21/2020

Retest Date

2/19/2027