

1. Identification

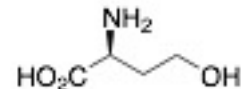
Catalogue Number

H615010

Lot Number

15-XJZ-138-1

Structure



Product Name

L-Homoserine

Synonyms

2-Amino-4-hydroxybutyric Acid; (S)-2-Amino-4-hydroxybutanoic Acid; NSC 206251; Homoserine; NSC 206251; (2S)-2-Amino-4-hydroxybutanoic acid

CAS Number

672-15-1

Solubility

Methanol (Slightly), Water (Sparingly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₄H₉NO₃

Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

119.12

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

Off-White Solid

NMR

Conforms to Structure

Conforms

C NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 39.94, %H: 7.54, %N: 11.28

HPLC Purity

>95%

99.85% (ELSD)

MS

Conforms to Structure

Conforms

Additional Information

Elemental Analysis: (Theoretical) %C: 40.33, %H: 7.62, %N: 11.76

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

Product Quality Specialist

Reviewed by



Toni Rantanen

Manager, Quality Assurance

C of A Approved by



My Nguyen

Quality Assurance Associate

Test Date

8/24/2020

Retest Date

8/22/2027