



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

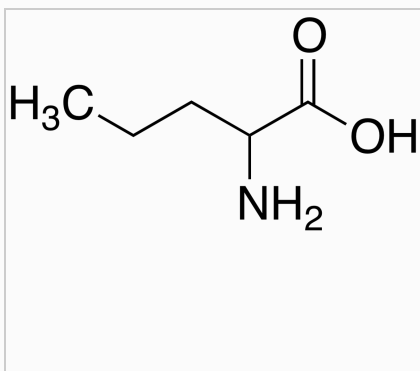
Catalogue Number: N712015

CAS Number: 760-78-1

Product: DL-norvaline

Synonym: (±)-2-Aminopentanoic Acid; (±)-Norvaline;
20: PN: WO2005055994 PAGE: 50 claimed
protein; DL-2-Aminovaleric Acid; DL-α-
Aminovaleric Acid; NSC 7904; α-DL-
Aminopentanoic Acid

Structure:



Molecular Formula:

C₅H₁₁NO₂

Molecular weight:

117.15

Source of Product:

N/A

Solubility:

Aqueous Acid (Slightly),
Water (Slightly)

Lot Number: 1-TTK-110-1

Purity: 97%

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:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	98.02% (ELSD)
MS	Conforms to Structure	Conforms

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
Meenakshi Sharma	Toni Rantanen	Chanell Chu	10/11/2023	10/9/2027