

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	02219
Product	Z-L-norvaline

Lot Number	2219-110503-1
	Z-L-Nva-OH

CAS Number	21691-44-1
Molecular Formula	C ₁₃ H ₁₇ NO ₄

Molecular Weight	251.28
-------------------------	--------

Appearance	White powder
-------------------	--------------

Solubility	Clear and colorless solution (50 mg/mL in MeOH)
-------------------	---

Melting Point	88-90° C
----------------------	----------

Optical Rotation	[α] _{D20} : -4.1° (c=2% in Acetone)
-------------------------	--

Purity by HPLC	98%
-----------------------	-----

Storage	Store at 0-8°C
----------------	----------------

Remarks	See material safety data sheet for additional information For laboratory use only
----------------	--

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager