



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Certificate of Analysis

Catalog Number	04-2209
Product Name	H-Nva-OMe•HCl L-Norvaline methyl ester hydrochloride
Lot Number	06144-092605-1
Molecular Formula	C ₆ H ₁₃ NO ₂ •HCl
Molecular Weight	167.6
Appearance	White powder
Melting Point	114-116 °C
Specific Rotation [α] ²⁰ _D	15.13 ° (c=1.0, 1N HCl)
Purity (TLC)	99 %
Storage	Store at -0°C

HPLC Conditions

Column	Beckman Ultrasphere 5 μ m, 250x4.6 mm, 150 Å
Guard Column	Supel Guard LC-18-DB, 2 cm
Retention Time, min	4.85
Sample preparation	2 mg/1 ml 50% Acetonitrile/Water
Injection volume, μ l	5
Method /Detection at, nm	Gradient
	10-60% B
	A = 99.9% Water, 0.1% TFA
	B = 95% Acetonitrile, 4.9% Water, 0.1% TFA
	30 min, flow rate = 1.0 ml / min

Boc 10 / 210