

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	06054
Lot Number	000127-1027617
Product	L-Glutamic acid β-naphthylamide L-Glu- β NA
CAS Number	635-86-9
Molecular Formula	C ₁₅ H ₁₆ N ₂ O ₃
Molecular Weight	272.3
<hr/>	
Appearance	Off-white powder
Appearance of Solution	Clear, slightly brown solution (50 mg/mL in acetic acid 80%)
Melting Point	167 °C
Water Content (Karl Fisher)	3.4%
TLC System	n-butanol/acetic acid/H ₂ O 4/2/2 Chloroform/methanol/acetic acid 32% 5/3/1 Ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 Plate: silicagel 60 F ₂₅₄ Detected by. UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = 68.5 ° (1% in acetic acid 80%)
Related Substances	β NA : < 0.1%
Assay	88.2% (Nfd 9.08% by elemental analysis)
Purity by TLC	> 99%
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