

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	06046
<b>Lot Number</b>	000127-1015362
<b>Product</b>	<b>L-Glutamic acid <math>\gamma</math>-(<math>\beta</math>-naphthylamide)</b>
	L-Glu( $\beta$ NA)-OH
<b>CAS Number</b>	14525-44-1
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	272.3

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (4mg/mL in tetrahydrofuran/hydrochloric acid 1N (1:1))
<b>Elemental Analysis (Found)</b>	C = 66.27%; H = 5.84%; N = 10.33%
<b>TLC System</b>	Methanol/ chloroform/ ammonia 17% (2:2:1) n-Butanol/acetic acid/ water (4:2:2) Chloroform/ methanol/acetic acid 32% (5:3:1) Plate: Silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>24</sup> = + 13.4 ° (C=1 in 1N NaOH)
<b>Related Substances</b>	< 0.1% Chromophere $\beta$ Na
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0-8 °C

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**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**