

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	14954
<b>Product</b>	<b><math>\gamma</math>-Aminobutyric acid benzyl ester <i>p</i>-tosylate</b>
<b>Lot Number</b>	000424-120109-22265 $\gamma$ -Abu-OBzl•TosOH
<b>CAS Number</b>	26727-22-0
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>15</sub> NO <sub>2</sub> •C <sub>7</sub> H <sub>8</sub> O <sub>3</sub> S
<b>Molecular Weight</b>	365.45

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 gram in 2 ml DMF)
<b>Melting Point</b>	101.7-104.5°C
<b>Water Content (Karl Fisher)</b>	0.21%
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.12% (50°C, 2h)
<b>Purity by HPLC</b>	98.57%
<b>Storage</b>	Store at 0-8°C
<b>Remarks</b>	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