

# ***Chem-Impex International, Inc.***

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825 Dillon Drive

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## ***Certificate of Analysis***

**Catalogue Number**

14929

**Product**

**D-2-Aminobutyric acid tert-butyl ester hydrochloride**

**Lot Number**

000424-240226-22259

D-Abu-OtBu•HCl

**CAS Number**

313994-32-0

**Molecular Formula**

C<sub>8</sub>H<sub>17</sub>NO<sub>2</sub>•HCl

**Molecular Weight**

195.69

**Appearance**

White powder

**Solubility**

Clear solution 0.3 g in 2 mL water

**Melting Point**

241.6 - 242.7 °C

**Water Content (Karl Fisher)**

0.13%

**Optical Rotation**

[a]<sub>D</sub><sup>20</sup> = -13.3 ° (C=1 in EtOH)

**Infrared Spectrum**

Conforms to structure

**Analysis by Mass Spectra**

Conforms to standard

**Loss on Drying**

0.26% (80 °C at 2 h)

**<sup>1</sup>H NMR**

Conforms to structure

**Purity by HPLC**

98.14%

**Storage**

Store at 0 - 8 °C

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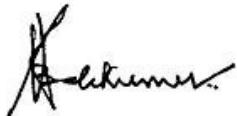
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**Remarks**

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**