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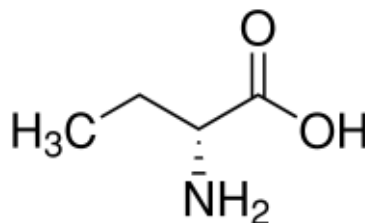
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Certificate of Analysis

Product Name:

D-2-Aminobutyric acid - 99%

Product Number: 116122
Lot Number: MKBJ7549V
Brand: ALDRICH
CAS Number: 2623-91-8
MDL Number: MFCD00064414
Formula: C₄H₉NO₂
Formula Weight: 103.12 g/mol
Quality Release Date: 09 JAN 2012



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Conforms to Requirements	Crystals
Crystalline Flakes		
Infrared spectrum	Conforms to Structure	Conforms
Purity (Titration by HClO ₄)	98.5 - 101.5 %	100.0 %
Optical Rotation	-21.0 - -19.0 deg	-20.3 deg
c = 5%, 6N HCl or 2%, 5N HCl		
Enantiomeric Excess	≥ 98.5 %	99.8 %
Purity (TLC)	≥ 99 %	> 99 %
Solubility (Turbidity)	Clear	Clear
c = 50 mg/ml, (5%); Water		
Solubility (Color)	Colorless	Colorless

Jamie Gleason, Manager
Quality Control
Milwaukee, Wisconsin US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.