

Certificate of Analysis

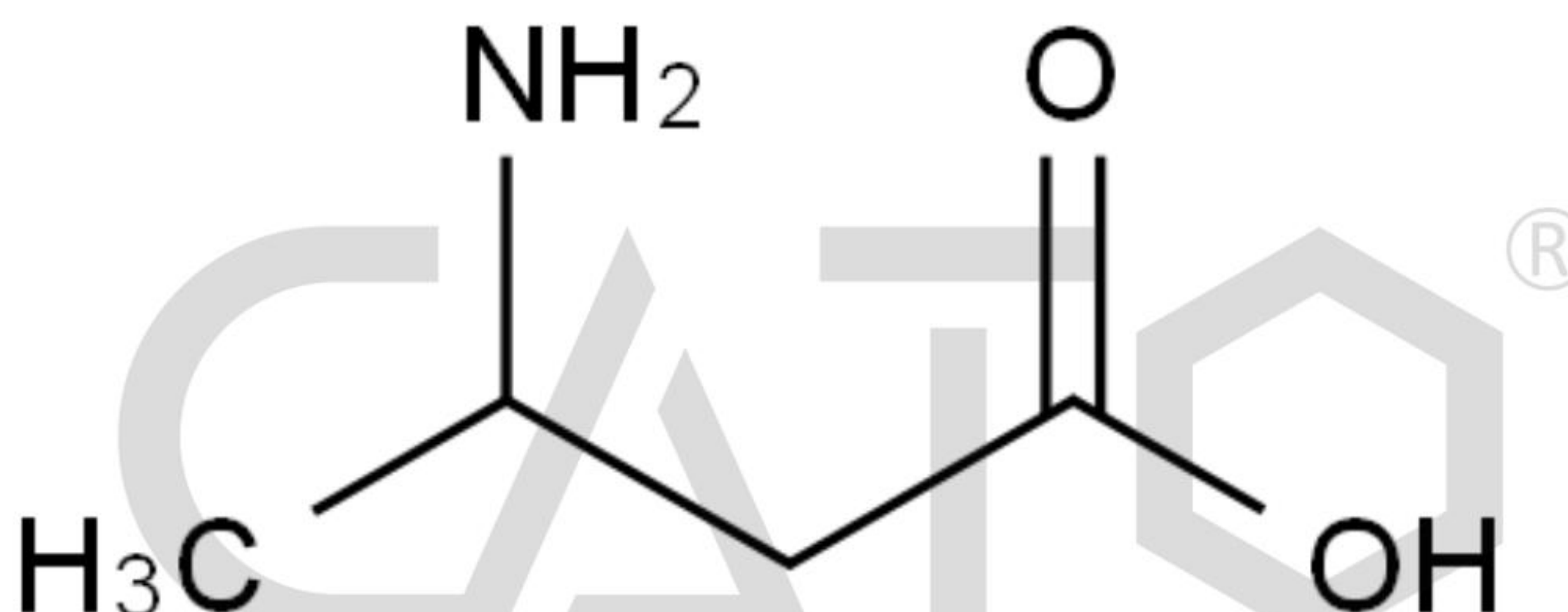
Reference Material & Standard

Product Name:	DL-3-Aminobutyric Acid	Catalogue Number:	CCFD201093
Synonyms:	N/A	Lot Number:	0401-RF-0047
CAS Number:	541-48-0	Expiry Date:	Apr 02, 2028
Molecular Formula:	C ₄ H ₉ NO ₂	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	103.12	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	100.0%
Assay	qNMR	97.8%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 03, 2024

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