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Certificate of Analysis

Catalogue Number

14253

Lot Number

130514-22139

Product

L-2,4-Diaminobutyric acid hydrochloride

L-Dab-OH•HCl

(S)-2,4-Diaminobutyric acid hydrochloride

CAS Number

1482-98-0

Molecular Formula

C₄H₁₀N₂O₂•HCl

Molecular Weight

154.64

Appearance

White to off-white powder

Solubility

Clear solution (0.3 gram in 2 ml H₂O)

Melting Point

219.5-224.1 °C

Optical Rotation

[a]_D²⁰ = + 7.45 ° (C=2 in H₂O)

Infrared Spectrum

Conforms to structure

Analysis by Mass Spectra

Conforms to structure

Loss on Drying

0.5% (80 °C for 2 hours)

¹H NMR

Conforms to structure

Purity by TLC

> 98%

Storage

Store at 0-8°C

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