

Analytical Data Sheet

Lot number

1075312

not for drug use

Catalog number	F-2095.0025
Product number	4011110.0025
Product	H- DL- Ala- OEt · HCl
Molecular formula	C ₅ H ₁₁ NO ₂ · HCl
Relative molecular mass	153.61

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in ethanol)
Identification (TLC)	complies with authentic material
Melting point	88 °C
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-DL-Ala-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.7% (Cth 9.12%, Cfd 9.09%)
Chloride content (titration)	23.0%

Latest update: January 23, 2018

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