

Analytical Data Sheet

Lot number **1070505**
not for drug use

Catalog number **G-4555.0100**
Product number **4027810.0100**
Product **L- Anserine · nitrate**
H- β - Ala- His(3- Me) - OH · nitrate
Molecular formula $C_{10}H_{16}N_4O_3 \cdot HNO_3$
Relative molecular mass 303.28

Tests	Results
Appearance	white powder with lumps
Appearance of solution	clear, colorless solution (50 mg/ml in H ₂ O)
Identification (TLC)	complies with authentic material
Melting point	219.1 °C
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine tolidine
Assay (elemental analysis)	99.9% (Nth 23.09 %, Nfd 23.07 %)

Latest update: March 07, 2017

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