

## Analytical Data Sheet

Lot number **1000013264**  
not for drug use

Catalog number **G-4555.0250**  
Product number **4027810.0250**  
Product **L- Anserine · nitrate**  
H- β- Ala- His(3- Me) - OH · nitrate  
Molecular formula **C<sub>10</sub>H<sub>16</sub>N<sub>4</sub>O<sub>3</sub> · HNO<sub>3</sub>**  
Relative molecular mass **303.28**

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

Latest update: March 06, 2019

**Analytical Data Sheet**  
Lot number **1000013264**