

Analytical Data Sheet

Lot number **1063863**
not for drug use

Catalog number **F-1260.0250**
Product number **4010004.0250**
Product **H- Asp- NH₂**
Molecular formula **C₄H₈N₂O₃**
Relative molecular mass **132.12**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear colorless solution (20 mg/ml in acetic acid 80 %)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 32.00 %</td><td>C = 31.90 %</td></tr><tr><td>H = 6.71 %</td><td>H = 6.81 %</td></tr><tr><td>N = 18.66 %</td><td>N = 18.67 %</td></tr></tbody></table> <p>calc. as 1 H₂O (12.0 %)</p>	Theory	Found	C = 32.00 %	C = 31.90 %	H = 6.71 %	H = 6.81 %	N = 18.66 %	N = 18.67 %
Theory	Found								
C = 32.00 %	C = 31.90 %								
H = 6.71 %	H = 6.81 %								
N = 18.66 %	N = 18.67 %								
Identification (TLC)	complies with authentic material								
Melting point	217 °C								
Specific optical rotation	$[\alpha]_D^{24} = +14.3^\circ$ (1 % in 1N HCl)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								

Latest update: January 22, 2016

Analytical Data Sheet
Lot number **1063863**