

Analytical Data Sheet

Lot number **1000018334**
not for drug use

Catalog number **G-3705.0250**
Product number **4012139.0250**
Product **H- Asp- Trp- OH**
Molecular formula $C_{15}H_{17}N_3O_5$
Relative molecular mass 319.32

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetic acid 80%)
Identification (elemental analysis)	Theory Found C = 56.4% C = 56.2% H = 5.4% H = 5.3% N = 13.2% N = 13.1%
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.9% (Nth 13.16%, Nfd 13.14%)

Latest update: July 09, 2019

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