

Analytical Data Sheet

Lot number **1000021574**
not for drug use

Catalog number **C-4175.0001**
Product number **4039578.0001**
Product **Z- Asn- Gly- OH**
Molecular formula $C_{14}H_{17}N_3O_6$
Relative molecular mass 323.31

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 50 % methanol)
Identification (elemental analysis)	Theory Found C = 52.0% C = 51.6% H = 5.3% H = 5.5% N = 13.0% N = 12.9%
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, IRH
Assay (elemental analysis)	99.2% (Nth 13.00%, Nfd 12.89%)
Assay (titration)	99.4% (TBAH)
Water content (KF volumetric)	0.2%

Latest update: September 10, 2019

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