

## Analytical Data Sheet

Lot number **1071387**  
not for drug use

Catalog number **G-4770.0250**  
Product number **4035535.0250**  
Product **Cyclo(- Ala- Gln)**  
Molecular formula **C<sub>8</sub>H<sub>13</sub>N<sub>3</sub>O<sub>3</sub>**  
Relative molecular mass **199.21**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (10 mg/mL in 80% acetic acid)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.0% (TFA)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Ala-Gln-OH
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.1% (Nth 21.09%, Nfd 20.89%)
Water content (KF volumetric)	1.3%

Latest update: April 24, 2017

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