

Analytical Data Sheet

Lot number **1055980**
not for drug use

Catalog number **G-3500.0005**
Product number **4007094.0005**
Product **H- Val- Ala- OH**
Molecular formula $C_8H_{16}N_2O_3$
Relative molecular mass 188.23

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 80% acetic acid)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Val-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (titration)	99.1% (HClO ₄)
Water content (KF volumetric)	1.1%

Latest update: October 28, 2014

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