

Analytical Data Sheet

Lot number **1075363**
not for drug use

Catalog number **H-3290.0001**
Product number **4001910.0001**
Product **H- Gly- Gly- Ala- OH**
Molecular formula **C₇H₁₃N₃O₄**
Relative molecular mass **203.20**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (25 mg/mL in water)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 41.4%</td> <td>C = 41.1%</td> </tr> <tr> <td>H = 6.5%</td> <td>H = 6.5%</td> </tr> <tr> <td>N = 20.7%</td> <td>N = 20.5%</td> </tr> </tbody> </table>	Theory	Found	C = 41.4%	C = 41.1%	H = 6.5%	H = 6.5%	N = 20.7%	N = 20.5%
Theory	Found								
C = 41.4%	C = 41.1%								
H = 6.5%	H = 6.5%								
N = 20.7%	N = 20.5%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -36.2^\circ$ (1% in water)								
Purity (TLC)	$\geq 99\%$								
TLC conditions	isopropanol/ammonia conc. 1/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	99.0% (Nth 20.68%, Nfd 20.47%)								
Water content (KF volumetric)	0.2%								

Latest update: February 01, 2018

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