

Analytical Data Sheet

Lot number **1000006051**
not for drug use

Catalog number **G-2020.0025**
Product number **4000168.0025**
Product **H- Gly- Ala- OH**
Molecular formula **C₅H₁₀N₂O₃**
Relative molecular mass **146.15**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in H ₂ O)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 41.09 %</td> <td>C = 40.87 %</td> </tr> <tr> <td>H = 6.90 %</td> <td>H = 7.07 %</td> </tr> <tr> <td>N = 19.17 %</td> <td>N = 19.13 %</td> </tr> </tbody> </table>	Theory	Found	C = 41.09 %	C = 40.87 %	H = 6.90 %	H = 7.07 %	N = 19.17 %	N = 19.13 %
Theory	Found								
C = 41.09 %	C = 40.87 %								
H = 6.90 %	H = 7.07 %								
N = 19.17 %	N = 19.13 %								
Identification (TLC)	conforms with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -58.7^\circ$ (1 % in 0.5 N HCl)								
Purity (TLC)	> 99%								
TLC conditions	isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (titration)	99.0% (HClO ₄)								
Water content (KF volumetric)	1.1%								

Latest update: September 13, 2018

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