

## Analytical Data Sheet

Lot number **1068301**  
not for drug use

Catalog number **K-1295.0005**  
Product number **4001855.0005**  
Product **H- Gly-  $\beta$ NA · HCl**  
Molecular formula **C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>O · HCl**  
Relative molecular mass **236.70**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	<p>Theory Found</p> <p>C = 60.7% C = 60.3%</p> <p>H = 5.6% H = 5.6%</p> <p>N = 11.8% N = 11.7%</p> <p>calc. x 0.05 H<sub>2</sub>O (0.4%)</p>
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% $\beta$ -Naphthylamine
TLC conditions	<p>chloroform/methanol/acetic acid 32% 5/3/1</p> <p>chloroform/methanol/acetic acid/H<sub>2</sub>O 70/42/0.5/10</p> <p>methanol/chloroform/ammonia 17% 2/2/1</p> <p>plate: silicagel 60 F<sub>254</sub></p> <p>detected by: UV, ninhydrin, TMB</p>
Assay (elemental analysis)	98.8% (Nth 11.83%, Nfd 11.69%)
Water content (KF volumetric)	0.4%
Chloride content (titration)	99.9%

Latest update: October 14, 2016

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