

## Analytical Data Sheet

Lot number **1076382**  
not for drug use

Catalog number **A-1750.0025**  
Product number **4000223.0025**  
Product **Boc- Gly- Gly- OH**  
Molecular formula  $C_9H_{16}N_2O_5$   
Relative molecular mass 232.24

| Tests                               | Results  |        |       |            |            |           |           |            |            |
|-------------------------------------|--|--------|-------|------------|------------|-----------|-----------|------------|------------|
| Appearance                          | white powder with lumps  |        |       |            |            |           |           |            |            |
| Appearance of solution              | clear, colorless solution (50 mg/ml in methanol)   |        |       |            |            |           |           |            |            |
| Identification (elemental analysis) | <table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 46.3 %</td><td>C = 46.0 %</td></tr><tr><td>H = 7.0 %</td><td>H = 6.8 %</td></tr><tr><td>N = 12.0 %</td><td>N = 12.0 %</td></tr></tbody></table> <p>calc. as x 0.07 H<sub>2</sub>O (0.5 %)</p> | Theory | Found | C = 46.3 % | C = 46.0 % | H = 7.0 % | H = 6.8 % | N = 12.0 % | N = 12.0 % |
| Theory                              | Found  |        |       |            |            |           |           |            |            |
| C = 46.3 %                          | C = 46.0 %   |        |       |            |            |           |           |            |            |
| H = 7.0 %                           | H = 6.8 %  |        |       |            |            |           |           |            |            |
| N = 12.0 %                          | N = 12.0 %   |        |       |            |            |           |           |            |            |
| Identification (TLC)                | conforms with authentic material   |        |       |            |            |           |           |            |            |
| Melting point                       | 132 °C   |        |       |            |            |           |           |            |            |
| Purity (TLC)                        | > 99%  |        |       |            |            |           |           |            |            |
| TLC conditions                      | chloroform/methanol/acetic acid 32% 5/3/1<br>chloroform/methanol/acetic acid 77.5/15/7.5<br>ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11<br>plate: silicagel 60 F <sub>254</sub><br>detected by: UV, ninhydrin, TMB   |        |       |            |            |           |           |            |            |
| Water content (KF volumetric)       | 0.5%   |        |       |            |            |           |           |            |            |

Latest update: April 17, 2018

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