

## Analytical Data Sheet

Lot number **1057530**  
not for drug use

Catalog number **K-1175.0250**  
Product number **4000903.0250**  
Product **Z- Gly- Gly- Arg-  $\beta$ NA · HCl**  
Molecular formula **C<sub>28</sub>H<sub>33</sub>N<sub>7</sub>O<sub>5</sub> · HCl**  
Relative molecular mass **584.08**

| Tests                                 | Results  |
|---------------------------------------|--|
| Appearance                            | white powder   |
| Identification (elemental analysis)   | Theory Found<br>C = 55.8 % C = 56.0 %<br>H = 6.0 % H = 6.0 %<br>N = 16.2 % N = 16.2 %<br><br>calc. as 1 HCl (6.05 %) 1.05 H <sub>2</sub> O (3.14 %)                                |
| Purity (TLC)                          | > 98%  |
| TLC conditions                        | n-butanol/acetic acid/H <sub>2</sub> O 4/2/2<br>chloroform/methanol/acetic acid 32% 5/3/1<br>plate: silicagel 60 F <sub>254</sub><br>detected by: UV, ninhydrin, chlorine-tolidine |
| Assay (elemental analysis)            | 91.1%  |
| Water content (KF volumetric)         | 3.3%   |
| Chlorine content (elemental analysis) | 6.0%   |