

Analytical Data Sheet

Lot number

1044670

not for drug use

| | |
|--------------------------------|---|
| Catalog Number | F-2325.0001 |
| Product number | 4002403.0001 |
| Product | H- β- Chloro- DL- Ala- OH · HCl |
| Molecular formula | C₃H₆ClNO₂ · HCl |
| Relative molecular mass | 160.00 |

| Tests | Results | | | | | | | | |
|--|--|--------|-------|-------------|-------------|------------|------------|------------|------------|
| Appearance | white product | | | | | | | | |
| Appearance of solution | clear colorless solution (50 mg/ml in acetic acid 80 %) | | | | | | | | |
| Identification (elemental analysis) | <table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 22.52 %</td> <td>C = 22.74 %</td> </tr> <tr> <td>H = 4.41 %</td> <td>H = 4.12 %</td> </tr> <tr> <td>N = 8.75 %</td> <td>N = 8.85 %</td> </tr> </table> <p>calc. as HCl</p> | Theory | Found | C = 22.52 % | C = 22.74 % | H = 4.41 % | H = 4.12 % | N = 8.75 % | N = 8.85 % |
| Theory | Found | | | | | | | | |
| C = 22.52 % | C = 22.74 % | | | | | | | | |
| H = 4.41 % | H = 4.12 % | | | | | | | | |
| N = 8.75 % | N = 8.85 % | | | | | | | | |
| Identification (TLC) | complies with authentic material | | | | | | | | |
| Melting point | 174 °C | | | | | | | | |
| Purity (TLC) | > 98% | | | | | | | | |
| TLC conditions | n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 EtOAc/Pyridine/AcOH/H ₂ O 5/5/1/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine | | | | | | | | |
| Chloride content (titration) | 22.5% (AgNO ₃) | | | | | | | | |
| Latest update: September 25, 2012 | | | | | | | | | |