

Analytical Data Sheet

Lot number

0507376

not for drug use

| | |
|--------------------------------|---|
| Catalog Number | H-4525 |
| Product number | 4001434 |
| Product | H- Phe- Gly- Gly- OH |
| Molecular formula | C ₁₃ H ₁₇ N ₃ O ₄ |
| Relative molecular mass | 279.30 |

| Tests | Results | | | | | | | | |
|--|--|--------|-------|------------|------------|-----------|-----------|------------|------------|
| Appearance | white powder | | | | | | | | |
| Appearance of solution | clear, colorless solution (50 mg/ml in water) | | | | | | | | |
| Identification (elemental analysis) | <table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 55.9 %</td> <td>C = 56.0 %</td> </tr> <tr> <td>H = 6.1 %</td> <td>H = 6.2 %</td> </tr> <tr> <td>N = 15.0 %</td> <td>N = 15.0 %</td> </tr> </table> | Theory | Found | C = 55.9 % | C = 56.0 % | H = 6.1 % | H = 6.2 % | N = 15.0 % | N = 15.0 % |
| Theory | Found | | | | | | | | |
| C = 55.9 % | C = 56.0 % | | | | | | | | |
| H = 6.1 % | H = 6.2 % | | | | | | | | |
| N = 15.0 % | N = 15.0 % | | | | | | | | |
| Identification (TLC) | complies with authentic material | | | | | | | | |
| Specific optical rotation | $[\alpha]_D^{24} = +81.3^\circ$ (0.5 % in water) | | | | | | | | |
| Purity (TLC) | > 99% | | | | | | | | |
| TLC conditions | n-butanol/acetic acid/H ₂ O 4/2/2 n-butanol/acetic acid/H ₂ O/pyridine 30/6/24/20 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB | | | | | | | | |
| Latest update: October 25, 2008 | Analytical Data Sheet Lot number 0507376 | | | | | | | | |