

Analytical Data Sheet

Lot number

1043461

not for drug use

| | |
|--------------------------------|---------------------------------------|
| Catalog Number | Q-1315.1000 |
| Product number | 4001634.1000 |
| Product | 4- Methoxy- β- naphthylamine |
| Molecular formula | C₁₁H₁₁NO |
| Relative molecular mass | 173.21 |

| Tests | Results | | | | | | | | |
|--|--|--------|-------|------------|------------|-----------|-----------|-----------|-----------|
| Appearance | off-white powder | | | | | | | | |
| Appearance of solution | clear, slightly pinkish solution (50 mg/ml in methanol) | | | | | | | | |
| Identification (elemental analysis) | <table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 76.3 %</td> <td>C = 76.2 %</td> </tr> <tr> <td>H = 6.4 %</td> <td>H = 6.2 %</td> </tr> <tr> <td>N = 8.1 %</td> <td>N = 8.0 %</td> </tr> </table> | Theory | Found | C = 76.3 % | C = 76.2 % | H = 6.4 % | H = 6.2 % | N = 8.1 % | N = 8.0 % |
| Theory | Found | | | | | | | | |
| C = 76.3 % | C = 76.2 % | | | | | | | | |
| H = 6.4 % | H = 6.2 % | | | | | | | | |
| N = 8.1 % | N = 8.0 % | | | | | | | | |
| Identification (TLC) | complies with authentic material | | | | | | | | |
| Melting point | 73 °C | | | | | | | | |
| Purity (TLC) | > 99% | | | | | | | | |
| TLC conditions | ethylacetate/hexane 4/5 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/ethylacetate 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine | | | | | | | | |
| Assay (elemental analysis) | 100.0% (Cth 76.28 %, Cfd 76.25 %) | | | | | | | | |
| Latest update: July 03, 2012 | | | | | | | | | |