

Analytical Data Sheet

Lot number **1000023996**
not for drug use

Catalog number **E-2845.0250**
Product number **4000900.0250**
Product **H- His(3- Me) - OH**
Molecular formula **C₇H₁₁N₃O₂**
Relative molecular mass **169.18**

| Tests | Results | | | | | | | | |
|-------------------------------------|--|--------|-------|-------------|-------------|------------|------------|-------------|-------------|
| Appearance | off-white powder | | | | | | | | |
| Appearance of solution | clear, colorless solution (50 mg/ml in H ₂ O) | | | | | | | | |
| Identification (elemental analysis) | <table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 45.13 %</td><td>C = 45.28 %</td></tr><tr><td>H = 6.98 %</td><td>H = 6.87 %</td></tr><tr><td>N = 22.56 %</td><td>N = 22.53 %</td></tr></tbody></table> <p>calc. as x 0.95 H₂O (9.2 %)</p> | Theory | Found | C = 45.13 % | C = 45.28 % | H = 6.98 % | H = 6.87 % | N = 22.56 % | N = 22.53 % |
| Theory | Found | | | | | | | | |
| C = 45.13 % | C = 45.28 % | | | | | | | | |
| H = 6.98 % | H = 6.87 % | | | | | | | | |
| N = 22.56 % | N = 22.53 % | | | | | | | | |
| Identification (TLC) | conforms with authentic material | | | | | | | | |
| Purity (TLC) | > 99% | | | | | | | | |
| TLC conditions | n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine | | | | | | | | |
| Assay (elemental analysis) | 90.7% (Nth 24.84 %, Nfd 22.53 %) | | | | | | | | |
| Water content (KF volumetric) | 9.9% | | | | | | | | |

Latest update: November 01, 2019

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