

Analytical Data Sheet

Lot number 1000051742
not for drug use

Product H-Pen-OH

Product number 4031087.0025

Molecular formula (net) C₅H₁₁NO₂S

Molecular mass (average) 149.2

| Tests | Results |
|---|--|
| Components | |
| Appearance | |
| Appearance | complies [white powder] |
| Appearance of solution | |
| Appearance of solution | complies [clear, colorless solution in water (50 mg/mL)] |
| Identification (TLC) | |
| R _f value | complies [complies] |
| Purity and related impurities (HPLC) | |
| Purity | 98.2% |
| Penicillamine disulfide | 1.2% |
| Total unspecified impurities | 0.67% |
| CAT Enantiomer content (chiral chromatography) | |
| D-enantiomer | < 0.10% (LOQ) |
| Assay (elemental analysis) | |
| Assay (EA, as is) | 99.5% |

CAT Analysis performed by C.A.T. GmbH & Co Chromatographie und Analysetechnik KG, Heerweg 10, 72070 Tübingen, Germany

This Analytical Data Sheet is based on reviewed analytical data and is valid without handwritten signatures.

Date created: August 13, 2021