

Certificate of Analysis

Date of Testing: 2024-01-05 10:08:14
Date of Next Testing: 2025-12-25 10:08:14
Product Name: **Pepstatin**
CAS Number: 26305-03-3
Specifications & Purity: $\geq 75\%$ (HPLC)
Lot #: C2228042
SKU #: **P113168**
Analysis: **311152**
Storage Temperature: Store at -20°C

| Parameter | Limit Values | Result |
|--|-----------------------------------|-----------------------------------|
| Purity(HPLC) | 75-100 (%) | 99.15600 % |
| Specific Rotation $[\alpha]_{20}^D$ (c=0.288 in MeOH:AcOH (75:25)) | -102.5--83.5 ($^{\circ}$) | -83.51 $^{\circ}$ |
| Nitrogen by Elemental Analysis(As-is basis) | 9.2-11 (%) | 10.10 % |
| Carbon by Elemental Analysis | 58.3-60.7 (%) | 59.78 % |
| Appearance (P113168) | White to Light Beige Powder | White to Light Beige Powder |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in EtOH/HOAc (9/1) | Colorless , Clear to Hazy,1 mg/mL | Colorless , Clear to Hazy,1 mg/mL |



John Su
QA & QC Manager