

CERTIFICATE OF ANALYSIS**Product: Perindopril Intermediate****Chemical name: N-[(S)-1-Carbethoxy-1-butyl]-(S)-alanine[CAS:82834-12-6]****Quantity: 106 Kgs****Batch No.: 20200301****Manufacture. Date: 2020.02.26****Expiry Date: 2020.02.25**

| Item | Specification | Result |
|--------------------------------|---------------------------------------|--------------------|
| Appearance | White or off-white crystalline powder | Complies |
| Identification | IR match with the Standard | Complies |
| Specific Rotation | +0.0 ⁰ ~+5.0 ⁰ | +1.02 ⁰ |
| Loss on Drying | ≤1.0% | 0.06% |
| Residue on ignition | ≤0.2% | 0.05% |
| Residue solvents | Hexamethylene≤0.388% | ND |
| | Ethanol≤0.5% | ND |
| Single impurity | ≤0.5% | 0.30% |
| Total impurities | ≤1.0% | 0.32% |
| Chromatographic Purity by HPLC | ≥99.0% | 99.68% |

Conclusion: It Complies with the Enterprise's Standard**Prepared by:****Reviewed by:****Approved by:**