

Certificate of Analysis

Date of Testing: 2023-09-14 15:05:58
Date of Next Testing: 2025-09-13 15:05:58
Product Name: **Imipenem monohydrate**
CAS Number: 74431-23-5
Specifications & Purity: $\geq 95\%$ (HPLC)
Lot #: K21171187
SKU #: **R134429**
Analysis: **276202**
Storage Temperature: Store at -20°C

| Parameter | Limit Values | Result |
|--|--------------------------------|------------------------------|
| Purity(HPLC) | 95-100 (%) | 97.10500% |
| Melting point | 193-198 ($^{\circ}\text{C}$) | 195.80000 $^{\circ}\text{C}$ |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O , Clear(5mg/ml) | pass | Pass |



John Su
QA & QC Manager