

## Certificate of Analysis

Date of Testing: 2021-11-22 14:57:02  
Date of Next Testing: 2023-11-22 14:57:02  
Product Name: **Imipenem monohydrate**  
CAS Number: 74431-23-5  
Specifications & Purity:  $\geq 95\%$  (HPLC)  
Lot #: K21171188  
SKU #: **R134429**  
**Analysis: 034482**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	97.22500%
Melting point	193-198 ( $^{\circ}\text{C}$ )	196.95000 $^{\circ}\text{C}$
Solubility in H <sub>2</sub> O , Clear(5mg/ml)	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager