

## Certificate of Analysis

Date of Testing: 2023-06-07 09:27:14  
Date of Next Testing: 2025-06-06 09:27:14  
Product Name: **Sulbactam**  
CAS Number: 68373-14-8  
Specifications & Purity:  $\geq 98.0\%$   
Lot #: H2124205  
SKU #: **E129319**  
**Analysis:** **236184**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.80200 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	233-241 (°)	236.20°
Appearance (E129319)	White to tan powder	White to tan powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager