

## Certificate of Analysis

Date of Testing: 2023-12-25 17:19:40  
Date of Next Testing: 2026-12-24 17:19:40  
Product Name: **N-Acetylmuramyl-L-alanyl-D-isoglutamine hydrate**  
CAS Number: 53678-77-6  
Specifications & Purity: 98%  
Lot #: L2315337  
SKU #: **N303924**  
**Analysis: 254391**  
Storage Temperature: Store at -20°C

| Parameter                | Limit Values          | Result                |
|--------------------------|-----------------------|-----------------------|
| Purity(HPLC area)        | 98-100 (%)            | 98.30 %               |
| LC-MS for identification | Conforms              | Conforms              |
| NMR Spectrum 1H          | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager