

## Certificate of Analysis

Date of Testing: 2023-12-20 11:05:10  
Date of Next Testing: 2027-12-19 11:05:10  
Product Name: **Glycocholic acid hydrate**  
CAS Number: 1192657-83-2  
Specifications & Purity:  $\geq 97\%$ (HPLC)  
Lot #: L2312059  
SKU #: **G166341**  
Version: **0**  
Analysis #: **306991**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.22100 %
Water by Karl Fischer	0-8 (%)	2.61 %
Appearance (G166341)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager