

## Certificate of Analysis

Date of Testing: 2022-08-08 15:40:40  
Date of Next Testing: 2024-07-28 15:40:40  
Product Name: **Notoginsenoside R1**  
CAS Number: 80418-24-2  
Specifications & Purity: analytical standard, ≥98% (HPLC)  
Lot #: H2203482  
SKU #: **N117964**  
**Analysis:** **097149**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.72400 %
Appearance (N117964)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , clear and colorless (1mg/ml)	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager