

## Certificate of Analysis

Date of Testing: 2022-09-17 13:56:47  
Date of Next Testing: 2026-09-16 13:56:47  
Product Name: **1-Deoxy-1-morpholino-D-fructose**  
CAS Number: 6291-16-3  
Specifications & Purity: 98%  
Lot #: I2209314  
SKU #: **D120852**  
**Analysis: 109317**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	47.68-48.68 (%)	48.32 %
Nitrogen by Elemental Analysis	5.12-6.12 (%)	5.82 %
Purity(HPLC)	98-100 (%)	98.69100 %
Appearance (D120852)	White to pale yellow powder,crystals,solid	White to pale yellow powder,crystals,solid
Solubility in hot MeOH , Colorless to Faint Yellow,Clear,19.60-20.40mg/ml	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager