

Certificate of Analysis

Date of Testing: 2022-08-24 15:52:38

Date of Next Testing: 2026-08-23 15:52:38

Product Name: **4-Heptanone**

CAS Number: 123-19-3

Specifications & Purity: 98%

Lot #: H2219239

SKU #: **H103840**

Analysis: **103188**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.406-1.408	1.41
Purity(GC)	98-100 (%)	99.17 %
Density (20°C)	0.815-0.819	0.82
Appearance (H103840)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager