

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-16 11:52:50

Date of Next Testing: 2026-11-15 11:52:50

Product Name: **1-Acetyl-4-piperidone**

CAS Number: 32161-06-1

Specifications & Purity: 98%

Lot #: K2214254

SKU #: **A117232**

Analysis: **145788**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.501-1.505	1.50
Density (20°C)	1.148-1.152	1.15
Purity(GC)	98-100 (%)	99.06 %
Appearance (A117232)	Colorless to Yellow to Orange Liquid	Colorless to Yellow to Orange Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager