

## Certificate of Analysis

Date of Testing: 2024-04-22 16:51:17  
Date of Next Testing: 2027-04-22 16:51:17  
Product Name: **Acetylacetone**  
CAS Number: 123-54-6  
Specifications & Purity: Premium-Grade Reagents , for Analysis,  
Lot #: D2410122  
SKU #: **A431631**  
**Analysis:** **348972**  
Storage Temperature: Room temperature

| Parameter             | Limit Values                     | Result                           |
|-----------------------|----------------------------------|----------------------------------|
| Purity(GC)            | 99-100 (%)                       | 99.87 %                          |
| Aluminium(Al)         | 0-500 (ppb)                      | 0.00000 ppb                      |
| Calcium(Ca)           | 0-500 (ppb)                      | 0.00 ppb                         |
| Cadmium(Cd)           | 0-50 (ppb)                       | 0.00 ppb                         |
| Cobalt(Co)            | 0-20 (ppb)                       | 0.00 ppb                         |
| Chromium(Cr)          | 0-50 (ppb)                       | 0.00000 ppb                      |
| Copper(Cu)            | 0-50 (ppb)                       | 0.00 ppb                         |
| Iron(Fe)              | 0-100 (ppb)                      | 0.00 ppb                         |
| Magnesium(Mg)         | 0-100 (ppb)                      | 0.00 ppb                         |
| Nickel(Ni)            | 0-500 (ppb)                      | 0.00 ppb                         |
| Lead(Pb)              | 0-500 (ppb)                      | 0.00 ppb                         |
| Tin(Sn)               | 0-100 (ppb)                      | 0.00 ppb                         |
| Zinc(Zn)              | 0-500 (ppb)                      | 0.00 ppb                         |
| Residue on Ignition   | 0-0.005 (%)                      | 0.00000 %                        |
| Water by Karl Fischer | 0-0.3 (%)                        | 0.02 %                           |
| Appearance(A431631)   | Colorless to light yellow liquid | Colorless to light yellow liquid |
| NMR Spectrum 1H       | Conforms to structure            | Conforms to Structure            |



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager