

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-27 15:08:09  
 Date of Next Testing: 2030-06-26 15:08:09  
 Product Name: **Acetylacetone**  
 CAS Number: 123-54-6  
 Specifications & Purity: Ultra pure, ≥99.5%(GC)  
 Lot #: F2610229  
 SKU #: **A110370**  
 Version: **0**  
 Analysis #: **716113**  
 Storage Temperature: Protected from light, Room temperature, Cool

| Parameter                              | Limit Values                     | Result                           |
|----------------------------------------|----------------------------------|----------------------------------|
| Lithium(Li)                            | 0-0.1 (ppm)                      | 0.00000 ppm                      |
| Cadmium(Cd)                            | 0-0.05 (ppm)                     | 0.00000 ppm                      |
| Purity(GC)                             | 99.5-100 (%)                     | 99.85600 %                       |
| Calcium(Ca)                            | 0-0.5 (ppm)                      | 0.00000 ppm                      |
| Magnesium(Mg)                          | 0-0.1 (ppm)                      | 0.00000 ppm                      |
| Density (20°C)                         | 0.973-0.978                      | 0.97500                          |
| Barium(Ba)                             | 0-0.1 (ppm)                      | 0.00000 ppm                      |
| Purity(Based On Trace Metals Analysis) | 99.9997-100 (%)                  | 100.00000 %                      |
| Aluminum(Al)                           | 0-0.5 (ppm)                      | 0.00000 ppm                      |
| Zinc(Zn)                               | 0-0.1 (ppm)                      | 0.00000 ppm                      |
| Copper(Cu)                             | 0-0.02 (ppm)                     | 0.00000 ppm                      |
| Strontium(Sr)                          | 0-0.1 (ppm)                      | 0.00000 ppm                      |
| Molybdenum(Mo)                         | 0-0.1 (ppm)                      | 0.00000 ppm                      |
| Cobalt(Co)                             | 0-0.02 (ppm)                     | 0.00000 ppm                      |
| Ethyl acetate by GC                    | 0-0.01 (%)                       | 0.00500 %                        |
| Iron(Fe)                               | 0-0.1 (ppm)                      | 0.00000 ppm                      |
| Nickel(Ni)                             | 0-0.02 (ppm)                     | 0.00000 ppm                      |
| Sodium(Na)                             | 0-0.5 (ppm)                      | 0.00000 ppm                      |
| Manganese(Mn)                          | 0-0.02 (ppm)                     | 0.00000 ppm                      |
| Refractive index n <sub>20</sub> /D    | 1.45-1.454                       | 1.45200                          |
| (Pb)Lead                               | 0-0.1 (ppm)                      | 0.00000 ppm                      |
| Potassium(K)                           | 0-0.5 (ppm)                      | 0.00000 ppm                      |
| Bismuth(Bi)                            | 0-0.1 (ppm)                      | 0.00000 ppm                      |
| Chromium(Cr)                           | 0-0.02 (ppm)                     | 0.00000 ppm                      |
| Appearance (A110370)                   | Colorless to light yellow liquid | Colorless to light yellow liquid |



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

| Parameter         | Limit Values          | Result                |
|-------------------|-----------------------|-----------------------|
| Infrared spectrum | Conforms to Structure | Conforms to Structure |

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

John Su  
QA & QC Manager