

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-20 11:20:57
 Date of Next Testing: 2027-02-19 11:20:57
 Product Name: **Acetylacetone**
 CAS Number: 123-54-6
 Specifications & Purity: Ultra pure, ≥99.5% (GC)
 Lot #: B2317264
 SKU #: **A110370**
Analysis: **180436**
 Storage Temperature: Protected from light

Parameter	Limit Values	Result
Lithium(Li)	0-0.1 (ppm)	0.00 ppm
Cadmium(Cd)	0-0.05 (ppm)	0.00 ppm
Calcium(Ca)	0-0.5 (ppm)	0.00 ppm
Magnesium(Mg)	0-0.1 (ppm)	0.00 ppm
Density (20°C)	0.973-0.978	0.97
Barium(Ba)	0-0.1 (ppm)	0.00 ppm
Purity(Based On Trace Metals Analysis)	99.9997-100 (%)	100.00 %
Aluminum(Al)	0-0.5 (ppm)	0.00 ppm
Zinc(Zn)	0-0.1 (ppm)	0.00 ppm
Copper(Cu)	0-0.02 (ppm)	0.00 ppm
Strontium(Sr)	0-0.1 (ppm)	0.00 ppm
Molybdenum(Mo)	0-0.1 (ppm)	0.00 ppm
Cobalt(Co)	0-0.02 (ppm)	0.00 ppm
Ethyl acetate by GC	0-0.01 (%)	0.01 %
Iron(Fe)	0-0.1 (ppm)	0.00 ppm
Nickel(Ni)	0-0.02 (ppm)	0.00 ppm
Sodium(Na)	0-0.5 (ppm)	0.00 ppm
Manganese(Mn)	0-0.02 (ppm)	0.00 ppm
Refractive index n ₂₀ /D	1.45-1.454	1.45
(Pb)Lead	0-0.1 (ppm)	0.00 ppm
Potassium(K)	0-0.5 (ppm)	0.00 ppm
Bismuth(Bi)	0-0.1 (ppm)	0.00 ppm
Chromium(Cr)	0-0.02 (ppm)	0.00 ppm
Purity(GC)	99.5-100 (%)	99.86 %
Appearance (A110370)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager