

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-07 18:59:53  
Date of Next Testing: 2027-02-06 18:59:53  
Product Name: **4-Hydroxy-2-butanone**  
CAS Number: 590-90-9  
Specifications & Purity:  $\geq 95\%$   
Lot #: B2303663  
SKU #: **H106330**  
Version: **2**  
Analysis #: **173224**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.023-1.026	1.02500
Refractive index n <sub>20</sub> /D	1.4265-1.4325	1.43050
Purity(GC)	95-100 (%)	95.01000 %
Appearance (H106330)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager