

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-07-23 15:38:14  
Date of Next Testing: 2026-07-22 15:38:14  
Product Name: **Tributyl 2-acetylcitrate (ATBC)**  
CAS Number: 77-90-7  
Specifications & Purity:  $\geq 97\%$   
Lot #: G2221478  
SKU #: **T111251**  
Version: **0**  
Analysis #: **071788**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-2 (%)	1.03 %
Refractive index n <sub>20</sub> /D	1.441-1.444	1.44
Density (20°C)	1.052-1.056	1.05
Purity(GC)	97-100 (%)	99.03 %
Appearance (T111251)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager