

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-07 11:30:23

Date of Next Testing: 2027-02-06 11:30:23

Product Name: **Tributyl citrate**

CAS Number: 77-94-1

Specifications & Purity: $\geq 98\%$

Lot #: B2301539

SKU #: **T105179**

Version: **0**

Analysis #: **133988**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Acidity (as citric acid)	0-0.02 (%)	0.01000 %
Sulfate Ash	0-0.05 (%)	0.03000 %
Density (20°C)	1.043-1.047	1.04500
Refractive index n ₂₀ /D	1.443-1.446	1.44550
Purity(GC)	98-100 (%)	99.57200 %
Water by Karl Fischer	0-0.3 (%)	0.12000 %
Appearance (T105179)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager