

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-07-01 14:48:46

Date of Next Testing: 2029-06-30 14:48:46

Product Name: **Triphenylsulfonium perfluoro-1-butanesulfonate**

CAS Number: 144317-44-2

Specifications & Purity: $\geq 99\%$, Single Metal ≤ 20 ppb; Total Metal ≤ 100 ppb

Lot #: F2629504

SKU #: **P1520307**

Version: **1**

Analysis #: **724979**

Storage Temperature: Protected from light, Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	99-100 (%)	99.84000 %
Total Metallic Impurities	0-100 (ppb)	14.36000 ppb
Lithium(Li)	0-20 (ppb)	0.00000 ppb
Sodium(Na)	0-20 (ppb)	0.00000 ppb
Magnesium(Mg)	0-20 (ppb)	0.09000 ppb
Aluminium(Al)	0-20 (ppb)	0.46000 ppb
Potassium(K)	0-20 (ppb)	0.27000 ppb
Calcium(Ca)	0-20 (ppb)	0.61000 ppb
Titanium(Ti)	0-20 (ppb)	1.45000 ppb
Vanadium(V)	0-20 (ppb)	0.22000 ppb
Chromium(Cr)	0-20 (ppb)	0.05000 ppb
Manganese(Mn)	0-20 (ppb)	0.00000 ppb
Iron(Fe)	0-20 (ppb)	0.33000 ppb
Cobalt(Co)	0-20 (ppb)	0.04000 ppb
Nickel(Ni)	0-20 (ppb)	1.83000 ppb
Copper(Cu)	0-20 (ppb)	0.49000 ppb
Zinc(Zn)	0-20 (ppb)	0.88000 ppb
Arsenic(As)	0-20 (ppb)	0.04000 ppb
Strontium(Sr)	0-20 (ppb)	0.07000 ppb
Zirconium(Zr)	0-20 (ppb)	0.02000 ppb
Molybdenum(Mo)	0-20 (ppb)	0.08000 ppb
Silver(Ag)	0-20 (ppb)	0.08000 ppb
Cadmium(Cd)	0-20 (ppb)	0.54000 ppb
Tin(Sn)	0-20 (ppb)	0.82000 ppb
Barium(Ba)	0-20 (ppb)	0.00000 ppb

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Parameter	Limit Values	Result
Tantalum(Ta)	0-20 (ppb)	0.01000 ppb
Tungsten(W)	0-20 (ppb)	0.17000 ppb
Platinum(Pt)	0-20 (ppb)	5.74000 ppb
Aurum(Au)	0-20 (ppb)	0.05000 ppb
Lead(Pb)	0-20 (ppb)	0.00000 ppb
Appearance(P1520307)	White to Light yellow powder to crystal to solid	White to Light yellow powder to crystal to solid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager