

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-30 14:46:10
 Date of Next Testing: 2026-12-20 14:46:10
 Product Name: **Triphenylphosphine-3,3',3''-trisulfonic acid trisodium salt**
 CAS Number: 63995-70-0
 Specifications & Purity: $\geq 90\%$
 Lot #: L2419543
 SKU #: **T115579**
 Version: **1**
 Analysis #: **441530**
 Storage Temperature: Protected from light, Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	8.11840 %
Purity(HPLC)	90-100 (%)	96.49700 %
Sulfur content (s/c-analysis)	16.07-17.76 (%)	17.15820 %
Appearance (T115579)	white to beige powder or crystals	white to beige powder or crystals
³¹ P NMR spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager