

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-30 14:28:46

Date of Next Testing: 2026-12-20 14:28:46

Product Name: Triphenylphosphine-3,3',3''-trisulfonic acid trisodium salt

CAS Number: 63995-70-0

Specifications & Purity: $\geq 90\%$

Lot #: L2419512

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