

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-11 14:18:48
 Date of Next Testing: 2026-07-01 14:18:48
 Product Name: **Tris(2-carboxyethyl)phosphine hydrochloride**
 CAS Number: 51805-45-9
 Specifications & Purity: 98%
 Lot #: G2409150
 SKU #: **T107252**
 Version: **0**
 Analysis #: **376677**
 Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis(anhydrous)	37-40.2 (%)	37.64%
Purity(HPLC)	98-100 (%)	99.60700%
Water by Karl Fischer	0-6 (%)	2.88%
Appearance (T107252)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless,Clear to Very Slightly Hazy,50mg/ml(5%)	pass	Pass



John Su
QA & QC Manager