

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-11 10:33:15  
Date of Next Testing: 2026-06-10 10:33:15  
Product Name: **trichloroacetic acid(TCA)**  
CAS Number: 76-03-9  
Specifications & Purity: ACS, ≥99%  
Lot #: F2205518  
SKU #: **T104261**  
Version: **1**  
Analysis #: **092204**  
Storage Temperature: Store at 2-8°C,Argon charged,Desiccated

Parameter	Limit Values	Result
(NO3)Nitrate	0-0.002 (%)	0.00100 %
Phosphate(PO4)	0-5 (ppm)	3.00000 ppm
Melting point	54-58 (°C)	56.88000 °C
Iron(Fe)	0-0.001 (%)	0.00007 %
Heavy metal (as Pb)	0-0.002 (%)	0.00000 %
Sulfate(SO42-)	0-0.02 (%)	0.01000 %
Chloride Content	0-0.002 (%)	0.00100 %
Ignition Residue(Ash)	0-0.03 (%)	0.01400 %
Insoluble matter in H2O	0-0.01 (%)	0.00000 %
Assay	99-100 (%)	99.48000 %
Appearance (T104261)	white powder or solid	white powder or solid
Clarity of solution	pass	Pass
Substances Darkened (by H2SO4)	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager