

Certificate of Analysis

Date of Testing: 2025-03-07 17:39:56

Date of Next Testing: 2028-03-06 17:39:56

Product Name: **Trichloroacetic acid**

CAS Number: 76-03-9

Specifications & Purity: BioUltra, ≥99.5%(T)

Lot #: C2505070

SKU #: **T755664**

Version: **1**

Analysis #: **483044**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99.5-100.5 (%)	99.68 %
Sulfated Ash	0-0.05 (%)	0.00000 %
Aluminium(Al)	0-5 (ppm)	0.00000 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	3.80 ppm
Lithium(Li)	0-5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-50 (ppm)	0.00 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
Lead(Pb)	0-5 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.00 ppm
Total sulfur as SO ₄ (ICP)	0-100 (ppm)	50.00 ppm
Chloride (Cl ⁻)	0-30 (ppm)	6.20 ppm
Nitrate(NO ₃)	0-20 (ppm)	3.10000 ppm

ALADDIN SCIENTIFIC CORPORATION

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Parameter	Limit Values	Result
(PO4)Phosphate	0-10 (ppm)	2.00 ppm
UV-ABS.at 260 nm	0-1.6	1.50000
Uv-Abs. At 280 nm	0-0.15	0.12000
pH(2.451g in 30ml H2O)	0-1	0.80000
Appearance(T755664)	Colorless or White Crystals or Flakes	Colorless or White Crystals or Flakes
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility(2.451g in 30ml H2O(0.5M)),clear colorless	Pass	Pass

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager