



Certificate of Analysis

Trichloroacetic Acid ACS

Catalog Number: TA1005
Lot Number: 1204801
CAS Number: 76-03-9
Synonym(s): TCA
Molecular Formula: C₂HCl₃O₂
Molecular Weight: 163.39
Storage: 2°C – 8°C, Store with dessicant
Retest Date: November 29, 2020

Test	Specification	Result
Appearance	White crystalline powder	Conforms
Assay (Titration)	≥ 99.0%	99.9%
Melting Point	54°C – 58°C	57.6°C
Solubility (80mg/mL)	Clear & colorless	Conforms
Chloride	≤ 0.002%	0.001%
Nitrate	≤ 0.002%	< 0.002%
Phosphate	≤ 5ppm	≤ 5ppm
Sulfate	≤ 0.02%	< 0.02%
Heavy Metals	≤ 20ppm	< 20ppm
Iron	≤ 10ppm	< 3ppm
Sulfuric	Report	< 0.01%
Moisture	Report	0.15% m/mL
Residue on Ignition	Report	< 0.01% m/mL
Dichloroacetic Acid	Report	< 0.1 m/mL

Approved by:

John Grubb, PhD
Gojira Fine Chemicals, LLC
Quality Manager
Tel: 440-539-7033 Fax: 888-211-5523
john@gojirafc.com

Date: December 4, 2018