

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2025-10-31 08:43:32

Date of Next Testing: 2028-10-30 08:43:32

Product Name: **Trichloroacetic acid**

CAS Number: 76-03-9

Specifications & Purity: for electrophoresis, $\geq 99\%$, suitable for fixing solution (for IEF and PAGE gels)

Lot #: J2529142

SKU #: **W12226**

Version: **0**

Analysis #: **601116**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Melting point	54-58 (°C)	57.12000 °C
Purity (Titration by NaOH)	99-100.5 (%)	99.78 %
Heavy metal (as Pb)	0-0.002 (%)	0.00 %
Iron(Fe)	< 0.0005 (%)	0.00 %
Nitrate(NO ₃)	0-0.002 (%)	0.00000 %
Phosphate(PO ₄)	0-5 (ppm)	0.00000 ppm
Sulfate(SO ₄ ²⁻)	0-0.02 (%)	0.00 %
Chloride(Cl ⁻)	0-0.001 (%)	0.00 %
Suitability for use in fixing solutions for isoelectric focusing and polyacrylamide gels	Suitable	Suitable
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility (1 g/mL, H ₂ O) Clear(< 3 NTU)Colorless	Pass	Pass
Appearance(W12226)	White Powder or Crystals or Flakes	White Powder or Crystals or Flakes

Quality Assurance : Xiaoyong Tan
Quality Control : Yunfei Zou

