

## Certificate of Analysis

Date of Testing: 2023-03-22 13:19:27

Date of Next Testing: 2025-03-11 13:19:27

Product Name: **trichloroacetic acid**

CAS Number: 76-03-9

Specifications & Purity: 99%

Lot #: C2320424

SKU #: **T104257**

**Analysis:** **202525**

Storage Temperature: Store at 2-8°C, Argon charged, Desiccated

| Parameter                                                                         | Limit Values                                      | Result                                            |
|-----------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                                           | 0-0.3 (%)                                         | 0.01 %                                            |
| Water by Karl Fischer                                                             | 0-0.5 (%)                                         | 0.02 %                                            |
| Iron(Fe)                                                                          | 0-10 (ppm)                                        | 0.00 ppm                                          |
| Purity (Titration by NaOH)                                                        | 99-100 (%)                                        | 99.96 %                                           |
| Appearance (T104257)                                                              | white to off-white powder, crystals and/or chunks | white to off-white powder, crystals and/or chunks |
| Infrared spectrum                                                                 | Conforms to Structure                             | Conforms to Structure                             |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow, Clear to Hazy, 1 g/ml | pass                                              | Pass                                              |



John Su  
QA & QC Manager