



## Certificate of Analysis

### EDTA Tetrasodium Salt Dihydrate

**Catalog Number:** ED1007  
**Lot Number:** 0327901  
**CAS Number:** 10378-23-1  
**Linear Formula:**  $(\text{NaOOCCH}_2)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COONa})_2 \cdot 2\text{H}_2\text{O}$   
**Molecular Weight:** 416.20  
**Storage:** 15°C – 30°C  
**Date of Manufacture:** December 27, 2017  
**Retest Date:** December 26, 2020

Test	Specification	Result
Appearance	White crystalline powder	Conforms
Assay (Titration, USP)	≥ 99.0%	99.15%
Identification (FTIR)	To match reference spectra	Conforms
Moisture (LOD, under nitrogen for 4 hours @ 235°C)	6.6 – 10.6%	7.2%
Sodium (ICP-MS)	19.7 – 23.0%	21.3%
Iron (USP)	≤ 100ppm	< 100ppm

Approved by:

Date: April 1, 2019

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