



## CERTIFICATE OF ANALYSIS

Product Name: EDTA, Disodium, Dihydrate, (Ethylenediaminetetraacetic acid disodium salt, dihydrate)  
ACS Grade

Catalog Number: E004                      Lot Number: 02152020  
Molecular Formula:  $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$                       CAS Number: 6381-92-6  
Formula Weight: 372.24                      Source: Synthetic

<u>Test</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White Crystalline Powder	PASS
Identity Test	Passes Test	PASS
Assay	99.0 - 101.0 %	99.3 %
pH (5%, H <sub>2</sub> O)	4.0 - 6.0	4.41
Insoluble Matter	≤ 0.005 %	0.0003 %
Nitrilotriacetic acid [(HOCOCH <sub>2</sub> ) <sub>2</sub> N]	≤ 0.1 %	< 0.1 %
Heavy Metals (as Pb)	≤ 0.005 %	< 0.001 %
Iron (Fe)	≤ 0.01 %	< 0.01 %
Loss on Drying	Report	9.6%
Dnase, Rnase, Protease	None Detected	NONE

### Additional Information

Store at 15 to 30°C

Recommended Retest: 30 Nov 2018

**This product meets or exceeds the quality standards established by Caisson Laboratories, Inc.**

*This product is intended for Laboratory Use Only.*

Becky Kowallis                      3/20/2015  
Quality Control