



EMD Chemicals Inc.
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Name: EDTA, Free Acid [(Ethylenedinitrilo)tetraacetic Acid]
GR ACS, Powder
Meets ACS Specifications

Formula: $(\text{HOOCCH}_2)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{COOH})_2$

Item Number: EX0534/7

Formula Wt: 292.25

Lot Number: 44044552

Data Order No: 000084038

CHARACTERISTIC	REQUIREMENT		RESULTS	UNITS
	Min.	Max.		
Assay (complexometric)	99.4	100.6	99.79	%
Insoluble in dilute ammonium hydroxide		0.005	< 0.0005	%
Color			White	
Form			Powder	
Heavy metals (as Pb)		0.001	0.0005	%
Calcium (Ca)		0.001	0.0005	%
Iron (Fe)		0.005	< 0.0005	%
Magnesium (Mg)		5	2.2	ppm
Nitritotriacetic acid [(HOCOCH ₂) ₃ N]		0.1	< 0.001	%
Residue after ignition		0.2	0.13	%

Charles M. Wilson,
Quality Assurance Manager

Release Date: 2/19/2004

EMD Chemicals Inc.
(Formerly EM Science, A Division of EM Industries, Inc.)
An Affiliate of Merck KGaA, Darmstadt, Germany