



Specification for EDTA di-Sodium Salt, Dihydrate, USP, EP, BP, JP, FCC, ACS, bioCERTIFIED (TM) (E9100)

Item Number	E9100
Item	EDTA di-Sodium Salt, Dihydrate, USP, EP, BP, JP, FCC, ACS, bioCERTIFIED (TM)
CAS Number	6381-92-6
Molecular Formula	
Molecular Weight	
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
ASSAY (DRIED BASIS, USP)	99.0	101.0 %
Assay (as Dihydrate, FCC, ACS)	99.0	101.0 %
Assay (as Dihydrate, EP)	98.5	101.0 %
Assay (as Dihydrate, JP)	99.0 %	
APPEARANCE OF SOLUTION (EP)	TO PASS TEST	
CLARITY AND COLOR OF SOLUTION (JP)	TO PASS TEST	
pH of a 5% Solution @ 25°C (USP, ACS)	4.0	6.0
pH OF A 5% SOLUTION @ 20°C (EP)	4.0	5.5
pH of a 1% Solution @ 25°C (JP, FCC)	4.3	4.7
LOSS ON DRYING (USP)	8.7	11.4 %
RESIDUE ON IGNITION (JP)	37.0	39.0%
Calcium (USP, FCC)		TO PASS TEST
CYANIDE (JP)		TO PASS TEST
INSOLUBLE MATTER (ACS)		0.005 %
IRON (EP)		80 ppm
Iron (ACS)		0.01 %
HEAVY METALS (JP)		10 ppm
HEAVY METALS (ACS)		0.005 %
LEAD (FCC)		10 ppm
ARSENIC (JP)		2 ppm
ELEMENTAL IMPURITIES		AS REPORTED
Nitrilotriacetic Acid (USP, ACS)		0.1 %
IMPURITY A (EP)		0.1 %
BACTERIAL ENDOTOXINS		30 IU/g

Test	Specification	
	Min	Max
MICROBIAL LIMITS:		
TAMC		100 CFU/g
TYMC		10 CFU/g
BILE TOLERANT GRAM NEGATIVE BACTERIA		Absent/g
CANDIDA ALBICANS		Absent/g
ESCHERICHIA COLI		Absent/g
PSEUDOMONAS AERUGINOSA		Absent/10g
SALMONELLA		Absent/g
Staphlococcus aureus		Absent/g
CERTIFIED KOSHER		
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS		AS REPORTED

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