

PRODUCT IDENTITY

PRODUCT NAME	Ethylenediaminetetraacetic acid disodium salt dihydrate	PRODUCT NUMBER	E433191
Grades & Purity	UltraPureChrom™, for HPLC, ≥99%(KT)	VERSION	3
CAS NUMBER	6381-92-6	FORMULA	C ₁₀ H ₁₄ N ₂ Na ₂ O ₈ ·2H ₂ O
FORMULA WEIGHT	372.24g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Appearance(E433191)	Colorless or White Powder or Crystals
Purity(Titration (KT) ZnSO ₄ 0.1M)	99-101 (%)
Aluminium(Al)	0-5 (ppm)
Barium(Ba)	0-5 (ppm)
Bismuth(Bi)	0-5 (ppm)
Calcium(Ca)	0-20 (ppm)
Cadmium(Cd)	0-5 (ppm)
Cobalt (Co)	0-5 (ppm)
Chromium(Cr)	0-5 (ppm)

PARAMETER	SPECIFICATION / LIMIT
Copper(Cu)	0-5 (ppm)
Iron(Fe)	0-5 (ppm)
Potassium(K)	0-50 (ppm)
Lithium(Li)	0-5 (ppm)
Magnesium (Mg)	0-5 (ppm)
Manganese(Mn)	0-5 (ppm)
Molybdenum(Mo)	0-5 (ppm)
Nickel(Ni)	0-5 (ppm)
Lead(Pb)	0-5 (ppm)
Strontium(Sr)	0-5 (ppm)
Zinc(Zn)	0-5 (ppm)
Chloride (Cl-)	0-50 (ppm)
Solubility (1.117 g in 30 ml H ₂ O)Clear Colorless	pass
Total sulfur as SO ₄ (ICP)	0-50 (ppm)
UV Absorbance 260nm	0-0.145
UV Absorbance 280nm	0-0.025
Infrared spectrum	Conforms to Structure

PARAMETER	SPECIFICATION / LIMIT
Suitability Test (HPLC)	Pass