

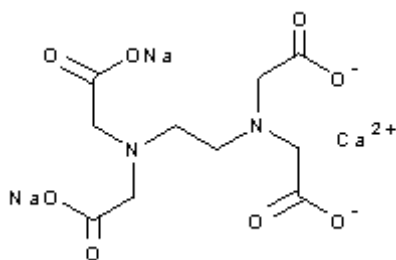


PRODUCT CODE: 144559

EDTA Calcium Disodium Salt 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

$C_{10}H_{12}CaN_2Na_2O_8 \cdot 2H_2O$

$C_{10}H_{12}CaN_2Na_2O_8 \cdot 2H_2O$



M.= 410,31

CAS [62-33-9]

EINECS 200-529-9

TARIC 2922 49 85 90

The indicated number CAS 62-33-9 corresponds to the anhydrous molecule. 2-Hydrate molecule CAS is 23411-34-9.

SYNONYMS: EDTA Calcium Disodium, Ethylenedinitrilotetraacetic Acid Calcium Disodium salt, N,N'-1,2-Ethanediybis[N-(Carboxymethyl)Glicine] Cal

PHYSICAL DATA: crystalline powder, White, Soluble in water. pH(200g/l)7,0 •

BIBLIOGRAPHY: Merck Index **13**, 3.542 Beilstein **4**, III, **1188** • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) 5.4 , 4017 5.7 , 5107 (2007) **9.0** (2017) 5.4 , 4017 5.7 , 5107 (2007) • F.C.C **10 11** • Royal Decree **I840** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: EV 7700000 • LD L0 oral rat 10.000 mg/kg • LD L0 rat 10g/Kg • LD50 rbt 7g/Kg • LD50 oral rat 12.000 mg/kg •

OBSERVATIONS: Storage away from direct light. •

SPECIFICATIONS:

Assay (Compl.) calc. a.d.s.	98,0-102,0%
Identity :	
Identity according to Pharmacopoeias:	passes test
pH of 20% solution	6,5-8,0

Maximum limit of impurities

Appearance of solution	passes test
Insoluble matter in H ₂ O	passes test
Chloride (Cl)	0,10%
Magnesium-chelanting substances	passes test
Residual solvents (Ph.Eur/USP)	passes test
Nitrilotriacetic Acid [(CH ₂ COOH) ₃ N]	0,1%
Ethylenediaminetetraacetic Acid Disodium Salt	1,0%
Water (H ₂ O)	5,0-13,0 %
Heavy metals (as Pb)	0,002%

Fe	0,008 %
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Elemental impurities (ICH Q3D):

Class 1

Cd	0,5 ppm
Pb	5 ppm
As	1,5 ppm
Hg	1,5 ppm

Class 2A

Co	5 ppm
V	10 ppm
Ni	20 ppm

Class 2B

Tl	5 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm

Class 3

Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	20 ppm
Sn	600 ppm
Cr	25 ppm