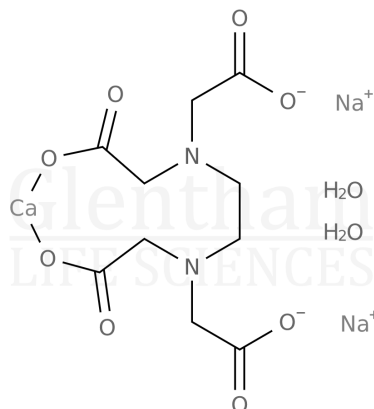


Certificate of Analysis

Product Name	EDTA calcium disodium salt dihydrate, BP, Ph. Eur., USP grade
Glenthams Code	GE8581
CAS Number	6766-87-6
EINECS	200-529-9
MDL Number	MFCD00148919
Additional CAS	62-33-9 (anhydrous)
Additional CAS	23411-34-9 (hydrate)
Batch Number	250IDI
Molecular Weight	410.31
Molecular Formula	$C_{10}H_{12}N_2O_8CaNa_2 \cdot 2H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 250IDI
Physical Description	White, hygroscopic, crystalline granules or powder	White, hygroscopic, crystalline powder
Identification (IR)	To conform to standard	Conforms
Identification	To pass all BP, Ph. Eur., USP tests	Conforms
Solubility (5% in water)	Clear, colourless solution	Clear, colourless solution
pH (20% in water)	6.5 - 8.0	7.08
Disodium Edetate	≤ 1.0%	0.57%
Nitrilotriacetic Acid	≤ 0.1%	Conforms
Mg Chelating Substances	To pass test	Conforms
Chloride (Cl)	≤ 0.10%	Conforms
Iron (Fe)	≤ 80ppm	Conforms
Arsenic (As)	≤ 1ppm	Conforms
Lead (Pb)	≤ 2ppm	Conforms
Mercury (Hg)	≤ 1ppm	Conforms
Heavy Metals (as Pb)	≤ 10ppm	Conforms
Water	5.0 - 13.0 %	9.82%
Bacterial Endotoxins	≤ 5EU/g	Conforms
Assay (Titration)	98.0 - 102.0 % (anhydrous basis)	99.57%
Pharmacopoeia Specification(s)	BP, Ph. Eur., USP	Conforms

Specification Version	v1.2
Manufacture Date	2022-01-26
Re-Test Date	2028-07-22

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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