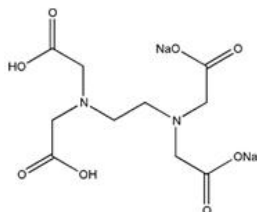


Disodium Edetate



Description

Disodium Edetate is used as a Pharmaceutical aid, a sequestering agent and a chelating agent in Cosmetic Industry & detergent Industry.

Specifications (USP)

TESTS	SPECIFICATIONS
Description	White crystalline powder.
Solubility	Soluble in water.
Identification	(A) By Infrared Absorption. Undried.
	(B) The red color is discharged, leaving a yellowish solution.
	(C) A dense precipitate is formed.
pH	Between 4.0 and 6.0 in a solution (1 in 20).
Loss on drying	8.7% to 11.4%, Dry it at 150 ⁰ for 6 hours.
Calcium	No precipitate is formed.
Heavy Metals	Not more than 0.005% (Method II).
Limit of nitrilotriacetic acid	Not more than 0.1%.
Assay	99.0 % to 101.0 %, on dried basis



Specifications (BP)

TESTS	SPECIFICATIONS
Description	White or almost whiter crystalline powder.
Solubility	Soluble in water; Practically insoluble in ethanol (96%).
Identification	First identification A, B, D. Second Identification B,C, D.
	<p>(A)The infrared absorption spectrum of the sample is con Concordant with the spectrum obtained from Disodium Edetate working standard.</p> <p>(B) No precipitate is formed.</p> <p>(C)No precipitate is formed.</p> <p>(D)Gives the reactions of Sodium</p> <p style="padding-left: 40px;">(A)A dense, white precipitate is formed.</p> <p style="padding-left: 40px;">(B)No precipitate is formed.</p>
Appearance of Solution	Solution S is clear and Colourless.
(pH)	4.0 to 5.5 for solution S
Impurities A	Not more than the area of the corresponding peak in the chromatogram obtained with the reference solution (0.1 %).
Iron	Not more than 80 ppm
Heavy Metals	Not more than 20 ppm
Assay	98.5 % to 101.0 %



Specifications (IP)

TESTS	SPECIFICATIONS
Description	A white, crystalline powder; odourless
Solubility	Soluble in water; sparingly soluble in ethanol (95%), Practically insoluble in chloroform and in ether.
Identification	(A) Determine by infrared absorption spectrophotometry. Compare the spectrum with that obtained with disodium edetate RS.
	(B) No precipitate is produced.
	(C) No precipitate is produced.
	(D) Gives the reactions of sodium salts (A) A dense, white precipitate is formed. (B) A yellow, crystalline precipitate is formed.
Appearance of solution	5.0 per cent w/v solution in carbon dioxide-free water is clear and colourless.
pH	4.0 to 5.5 determined in 5.0 per cent w/v solution.
Impurity A	Not more than 0.1 per cent.
Heavy Metals	Not more than 20 ppm
Iron	Not more than 80 ppm
Assay	98.5 % to 101.0 %

Application and Effects

It is used for bringing more lather in the detergents.