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Plot no. 1116/P, Lamadapura Road,
Manjusar – 391 775,
Ta- Savli, Dist. Vadodara, Gujarat, India

Quality Control

Standard Test Specifications

Title: Sodium Acetate Trihydrate BP

Page No.: 1 of 3


Specification No.:	Revision No.:	Effective Date	Review Date
ACPL/FP/SP/041	00	24/08/2021	23/08/2024
Change Control No.	NA		

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1.0 SAMPLING LEVEL :

As mentioned in the “Sampling procedure” SOP.

2.0 SAMPLING METHOD TO BE FOLLOWED:

100% sampling to be done from each container.

3.0 TOTAL COMPOSITE SAMPLE TO BE COLLECTED :

100 gm

4.0 EXPIRY :

Five years from the Date of Manufacturing.

5.0 CAS No: 6131-90-4**6.0 MOLECULAR FORMULA:** $C_2H_3NaO_2 \cdot 3H_2O$.**7.0 MOLECULAR WEIGHT:** 136.1 gm/mol.**8.0 CATEGORY:** Excipient.**9.0 STORAGE:** In an airtight container.**10.0 SAFETY PRECAUTIONS TO BE TAKEN WHILE SAMPLING AND HANDLING :**

Use hand gloves, goggles and apron during Handling.

11.0 CONTROL SAMPLE: 3 X 100 gm.**UNCONTROLLED COPY**

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NA

TEST PARAMETERS AND SPECIFICATIONS**REF: BP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	White or almost white, crystalline powder or colorless crystals.
2.	Solubility	Very soluble in water, soluble in ethanol (96 %).
3.	Identification A 1 mL of solution S gives reaction (b) of acetates. Identification B 1 mL of solution S gives reaction (a) of sodium. Identification C Loss on drying (see Tests)	To pass test To pass test To pass test
4.	Appearance of Solution (10 % Soln.)	Solution is clear & colorless
5.	pH	7.5 to 9.0
6.	Reducing substances	To pass test
7.	Chlorides (Cl)	Max.200 ppm
8.	Sulfates (SO ₄)	Max. 200 ppm
9.	Aluminium (Al)	Max. 0.2 ppm
10.	Arsenic (AS)	Max. 2 ppm
11.	Calcium and magnesium	Max. 50 ppm
12.	Iron	Max. 10 ppm
13.	Loss on drying (at 130 °C)	39.0 % to 40.5 %
14.	Assay % (Dried Basis)	99.0 % to 101.0 %

REVISION HISTORY:

Revision No.	Effective Date	Revision Description	Change Control No.
00	24/08/2021	First Issuance	N A

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