

FINISHED PRODUCT: CERTIFICATE OF ANALYSIS

DEPARTMENT : QUALITY CONTROL




Ref .SOP No	QC/017, Rev – 00	Format No. : QC/017/F/02-00
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Name of product : SODIUM ACETATE TRIHYDRATE IP			
Chemical Formula : $C_2H_3NaO_2 \cdot 3H_2O$		Molecular Weight : 136.1gm/mol.	
HSN Code		CAS No : 6131-90-4	
29152990		041001H22	
Batch Number		Date of sampling	
041001H22		14/08/2022	
Date of Manufacture		Sample Quantity	
Aug.-2022		100.00 Gms.	
Date of Expiry		Date of Analysis	
5 Years after Mfg. date		14/08/2022	
Date of Release		Mfg. Lic. No.	
		G/25/2513	

Sr. No.	Test	Observation	Specification
1.	Description	Colorless crystals.	Colorless Crystals Or White, Crystalline Powder; Odorless
2.	Solubility	Very soluble in water, soluble in ethanol (96 %).	Very Soluble In Water, Soluble In Ethanol (95%)
3.	Identification	Complies	As Per IP Gives Reaction Sodium Salts =Positive & Acetate =Positive
4.	Appearance Of Solution	Solution is clear and colorless	10% W/V Solution Is Clear And Colorless
5.	pH (5% Aqueous solution)	7.85	7.5-9.0
6.	Arsenic	Complies	Max. 2 ppm
7.	Calcium & Magnesium (As Ca)	Complies	Max. 50 ppm
8.	Heavy Metal (As Pb)	Complies	Max. 10 ppm
9.	Loss On Drying In An Over At 130°C	39.85%	39.0 - 40.5%
10.	Iron (Fe)	8 ppm	Max. 20 ppm
11.	Chloride (Cl)	85 ppm	Max. 250 ppm
12.	Sulphate (So ₄)	95 ppm	Max. 200 ppm
13.	Reducing Substances	Complies	The Pink Color Is Not Completely Discharged.
14.	Assay (Calculated On Dried Basis)	99.14%	99.0 % - 101.0%

Storage Condition	: In an airtight container.
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Remarks: The above product complies with above specification.

	Prepared By/Analyzed by	Approved by
Signature		 
Date	14/08/2022	16/08/2022