



SWADESH(INDIA) CHEMICAL PVT.LTD.

CERTIFICATE OF ANALYSIS

NAME OF PRODUCT	SODIUM BENZOATE(FOOD GRADE)	
BATCH QTY	6000 KGS	
BATCH NO: 17/03/01	MFG MONTH: MARCH 2025	EXP MONTH: FEB 2030
TEST	SPECIFICATION	RESULT
1. Description	Freely soluble odourless crystalline powder	White almost odourless crystalline powder
2. Solubility	Freely soluble in water and sparingly soluble in 95%ethanol	Complies
3. Identification	a)10% solution of sodium benzoate in water gives a buff coloured precipitate with ferric chloride solution. b)Gives yellow crystalline precipitate with uranyl zinc acetate solution. c) Flametest: Sodium benzoate gives a distinct golden yellow flame. d) The melting range of the precipitate obtained with HCl shall be between 121.5°C to 123.5°C'	Buff coloured ppt formed Yellow crystalline ppt formed. Golden yellow flame. 122.7°C-123.3°C
4. Acidity / alkalinity	0.5 ml max of 0.1NNaOH/O.1NHCl is required by 2 g of sodium benzoate dissolved in 20 ml of water.	0.08 ml of 0.1 IN NaOH
5. Purity expressed as C ₇ H ₅ O ₂ Na Percent by mass on dry basis	99.5% min	99.74%
6. Moisture	1.5% (max)	0.55%
7. Chlorinated organic compounds	To conform to test(Annex II of IS 4447:1994)	Complies
8.Readily carbonizable substances	To conform to test(Annex F of IS 4447:1994)	Complies

9. Readily Oxidisable substances	To conform to test(Annex G of IS 4447:1994)	Complies
10. Arsenic (as as)	1.5 ppm(max)	Complies
11. Heavy metals(as pb)	10 ppm(max)	Complies
12. Lead	2 ppm (max) (15 of IS 1699: 1994)	Complies

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