

**FINISHED PRODUCT: CERTIFICATE OF ANALYSIS**

**DEPARTMENT : QUALITY CONTROL**

Ref .SOP No | QC/017, Rev – 00

Format No. : QC/017/F/02-00

Name of product : SODIUM BENZOATE IP

Chemical Formula : C<sub>6</sub>H<sub>5</sub>COONa | Molecular Weight: 144.11 g/mol | CAS No : 532-32-1

HSN Code | 29163140 | Batch Number | 042002K22

Date of sampling | 19/11/2022 | Date of Manufacture | NOV-2022

Sample Quantity | 100.00 Gms. | Retest Date | 1 Years after Mfg. date

Date of Analysis | 19/11/2022




Date of Release | 21/11/2022

Mfg. Lic. No. | G/25/2513

Sr. No.	Test	Observation	Specification
1.	Description	<b>A White Crystalline Powder, with faint odor, Hygroscopic</b>	A white crystalline or granular powder or flakes, odorless or with faint odor, Hygroscopic
2.	Identification	<b>Pass Test</b>  <b>Pass Test</b>	A white crystalline precipitate is produced Give the reaction of Sodiumsalts and reactions B and C of Benzoates
3.	Appearance of solution	<b>Pass Test</b>	Solution is clear and not more intensely colored then reference solution
4.	Acidity or Alkalinity	<b>Pass Test</b>	NMT 0.2 ml of 0.01 M HCl or 0.2 ml of 0.1 M NaOH is required to change the color of solution
5.	Arsenic as As	<b>Pass Test</b>	Max. 0.0002%
6.	Heavy Metal	<b>Pass Test</b>	Max. 0.002%
7.	Chlorinated compounds	<b>Pass Test</b>	The filtrate complies with the limit test for chlorides
8.	Loss on Drying	<b>1.25%</b>	NMT 2.0%
9.	Assay (Dry Basis)	<b>99.22%</b>	NLT 99.0% and NMT 100.5%

**Storage Condition** : Store in a dry, well-ventilated area. Keep containers tightly closed.

**Remarks:** The above product complies with above specification.

	Prepared By/Analyzed by	Approved by
Signature		 
Date	19/11/2022	21/11/2022