

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 : BENZOIC ACID JP

Chemical Formula: C₇H₆O₂

Molecular Weight : 122.1 gm/mol

CAS No : 65-85-0

HSN Code

29163110

Batch Number

061001J23

Date of sampling

10/11/2023

Date of Manufacture

OCT-2023

Sample Quantity

100.00 Gms

Date of Expiry

05 Years After Mfg. Date

Date of Analysis

10/11/2023

Date of Release

11/11/2023

Mfg. Lic. No.




G/25/2513

Sr. No.	Test	Observation	Specification
1.	Description	White Crystalline Powder	White crystals or crystalline powder. It is odorless, or has a faint, Benzaldehyde- like odor.
2.	Solubility	It is freely soluble in ethanol (95), in acetone and in diethyl ether, soluble in hot water, and slightly soluble in water.	It is freely soluble in ethanol (95), in acetone and in diethyl ether, soluble in hot water, and slightly soluble in water.
3.	Identification A Dissolve 1 g of Benzoic Acid in 8 mL of sodium hydroxide TS, and add water to make 100 mL. This solution responds to the Qualitative Tests for benzoate. Identification B Melting Point (121 °C to 124 °C)	Complies	To pass test
4.	Heavy metals	Complies	NMT 20 ppm
5.	Chlorinated compounds	Complies	To Pass Test
6.	Potassium Permanganate-reducing substance	Complies	To Pass Test
7.	Phthalic acid	Complies	To Pass Test
8.	Readily carbonizable substance	Complies	The solution is not more colored than matching Fluid Q.
9.	Loss on drying	0.26 %	NMT 0.5 %
10.	Residue on ignition	Complies	NMT 0.05%
11.	Assay (Dried basis)	99.69 %	NLT 99.5 %

Storage Condition

: Preserve in tight containers.

Remarks: The above product complies with above specification.

	Prepared By/Analyzed by	Approved by
Signature		 
Date	10/11/2023	11/11/2023