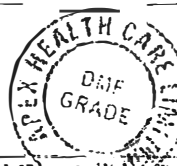


QUALITY CONTROL DEPARTMENT
CERTIFICATE OF ANALYSIS

Product	BENZOCAINE
Standard for Release	USP (DMF GRADE)

Batch No.	BCAH0610724	Batch Quantity	651.650 Kgs.
Mfg. Date	JUL-2024	Date of Sampling	09/07/24
		Date of Approval	11/07/24
A.R. No.	FP/BC/087/24	Dispatched Qty.	650.000 Kg
C.A.S. No.	94-09-7		

Sr. No.	Tests	Acceptance Criteria	Test Result
1.	Description	Small, white crystals or white crystalline powder, odourless	White crystalline powder.
2.	Solubility	Freely soluble in alcohol, in chloroform, and in ether, sparingly soluble in almond oil and in olive oil; very slightly soluble in water. Dissolves in dilute acids.	Complies
3.	A. Identification (By IR)	The infrared spectrum of sample should be concordant with that standard of Benzocaine.	Complies
	B. Identification (By HPLC)	The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the assay.	Complies
4.	Organic Impurities (By HPLC)	Amino benzoic acid: NMT 0.10% Ethyl 4-nitrobenzoate: NMT 0.10% Any other unspecified impurity: NMT 0.10% Total Impurities: NMT 1.0 %	ND ND 0.041 % 0.066 %
5.	Chlorides	No turbidity is produced immediately.	Complies
6.	Loss on drying	Not more than 1.0 %	0.15 %
7.	Residue on ignition	Not more than 0.1 %	0.04 %
8.	Assay (By HPLC)	Between 98.0% and 102.0% (on dried basis)	99.91 %
9.	Residual Solvents (By GC-HS)	Ethanol: NMT 5000 ppm Methanol: NMT 3000 ppm Toluene: NMT 890 ppm Benzene: NMT 2 ppm	ND 139 ppm 0.5 ppm ND



Remarks: The Product Complies with respects to above tests and Prescribed Standard Specification as per USP 2024.

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Please consult the SDS for further information.

BVV guarantees only that the product described herein meets the specifications outlined in this document. All transactions involving this product are governed by BVV's standard terms and conditions. This Certificate of Analysis (COA) does not include any additional representations, guarantees, or warranties, whether express or implied, beyond those explicitly stated.