

CERTIFICATE OF ANALYSIS
(FINISH PRODUCT)

Product Name	SODIUM PHOSPHATE MONOBASIC (MONOHYDRATE)		
Chemical Formula	NaH ₂ PO ₄ .H ₂ O	A.R. No.	FP/2324/YDK23003
Molecular Weight	138.0	Batch No.	YDK23003
CAS No.	10049-21-5	Batch Size	250 Kg
HSN Code	28352200	Manufacturing Date	02-11-2023
Qty of Sample	2 x100 Gm	Expiry Date	01-11-2028
Date of analysis	04-11-2023	Grade	USP

Sr. No.	TESTS	SPECIFICATION	RESULT
1.	Description	White crystalline Powder	White crystalline Powder
2.	Identification A. Reaction B. Reaction	A. It gives reaction of phosphates. B. It gives reaction of sodium salts.	Complies Complies
3.	pH (5%w/v solution)	4.10– 4.50	4.29
4.	Insoluble Substances	NMT 0.2 %	Complies
5.	Chloride	NMT 140 ppm	Complies
6.	Sulphate	NMT 1500 ppm	Complies
7.	Aluminum, Calcium, and related elements.	Not became turbid when rendered slightly alkaline to litmus paper with 6 M ammonium hydroxide.	Complies
8.	Arsenic	NMT 8 ppm	Complies
9.	Water by KF	10.0% -15.0 %	14.07 %
10.	Assay (on dry basis)	98.0 % - 103.0 % of NaH ₂ PO ₄	100.72 %