

5023 – di-SODIUM HYDROGENORTHOPHOSPHATE (DIHYDRATED) (FOOD GRADE)

REF NO: TBL/QA/SS/F/5023	STANDARD SPECIFICATION FOR di-SODIUM HYDROGEN ORTHOPHOSPHATE (DIHYDRATED) (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date:07/02/2022		Product code: 5023

PRODUCT PROPERTIES

C.A.S Number	10028-24-7
Chemical Formula	Na ₂ HPO ₄ · 2H ₂ O
Formula weight	177.98
Functional Uses	Emulsifier, texturizer, buffer
Standard Packaging	50 kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline, odourless solid.
Solubility	Freely soluble in water; insoluble in ethanol
Test for Sodium	Passes test.
Test for Phosphate	Passes test.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (1 in 100 solution)	9.0 – 9.6
Loss on drying (40 °C, 3 h, then 105 °C, 5 h)	NMT – 22.0%
Water insoluble substances	NMT – 0.2%
Fluoride	NMT – 50 mg/Kg
Arsenic	NMT – 3 mg/Kg
Lead	NMT – 4 mg/Kg
Assay, after drying	NLT – 98.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

