



SDFCL
s d fine-chem limited



Quality Control Dept.

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Product Specification

E Control	QC2\DATAD\ID\PS\20383XPS.xls
PRODUCT CODE	20383
PRODUCT NAME	DI-SODIUM HYDROGEN ORTHOPHOSPHATE DIHYDRATE AR Meets Analytical Specification of BP, USP, Ph. Eur
SYNONYMS	(Sodium phosphate dibasic dihydrate)
C.I. NO.	--
CASR NO.	(10028-24-7)
ATOMIC OR MOLECULAR FORMULA	Na ₂ HPO ₄ ·2H ₂ O
ATOMIC OR MOLECULAR WEIGHT	177.99
PROPERTIES	--

Na₂HPO₄·2H₂O

PARAMETER	LIMIT
Description	A white or almost white powder or colourless crystals.
Solubility	10% solution in water is clear and colourless.
Identification	Passes test.
Minimum Assay (Acidimetric; dried substance)	99.5%
pH of (5% soln. in water)	9.0 - 9.2
Loss on drying (at 130 °C)	19.5 –21.0%
Reducing substances	Passes test.
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.005%
Chloride (Cl)	0.005%
Sulphate (SO ₄)	0.005%
Nitrogen compounds (N)	0.002%
Arsenic (As)	0.0004%
Calcium (Ca)	0.002%
Iron (Fe)	0.001%
Lead (Pb)	0.0005%
Magnesium (Mg)	0.002%
Monosodium phosphate	Passes test.

Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements : Causes mild skin irritation.Causes eye irritation

Precautionary statements

Prevention : Wash thoroughly after handling.

Response : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/attention.

IMDG Code : --

UN No. : --

IATA : --

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.

Hazard Pictogram(s) :--

Prepared By :	Checked By:	Approved By:	Issue Date : 01.07.2002
Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No.: 04
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