



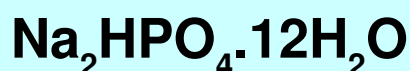
SDFCL
s d fine-chem limited

Quality Control Dept.



Product Specification

E Control	QC2\DATAD\D:\PS\20248XPS.xls
PRODUCT CODE	20248
PRODUCT NAME	DI-SODIUM HYDROGEN PHOSPHATE DODECAHYDRATE AR Meets Analytical Specification of BP, USP, Ph. Eur
SYNONYMS	(Sodium phosphate dibasic dodecahydrate)
C.I. NO.	-
CASR NO.	(10039-32-4)
ATOMIC OR MOLECULAR FORMULA	Na ₂ HPO ₄ ·12H ₂ O
ATOMIC OR MOLECULAR WEIGHT	358.14
PROPERTIES	Melting point 35°C ; Readily loses 5.H ₂ O on exposure to air at room temp. Nonflammable.



PARAMETER	LIMIT
Description	Colourless, transparent crystals; strongly efflorescent.
Solubility	10% solution in water is clear and colourless.
Identification	Passes test.
Assay (Acidimetric)	98.5 - 101.0%
pH of (5% solution in water)	9.1 - 9.4
Water (by KF)	57 – 61%
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.005%
Chloride (Cl)	0.0005%
Sulphate (SO ₄)	0.005%
Arsenic (As)	0.00005%
Iron (Fe)	0.0005%
Heavy metals (as Pb)	0.001%
Potassium (K)	0.005%
Reducing substances KMnO ₄ (as O)	0.02%
Sodium dihydrogen phosphate (NaH ₂ PO ₄)	Passes test

Note(s) :1] Assay (if applicable) method mentioned.

2] "Store below 30°C".

WARNING

Hazard statements : Causes eye irritation. May cause long lasting harmful effects to aquatic life. Harmful to life in the soil.

Precautionary statements

Prevention : Wash hands thoroughly after handling.

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

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) :



Aquatic environment

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.: 05
Sign. :	Sign. :	Sign. :	Revision dt. : 30.05.2011
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