

Department: Quality Control	Document No: LCPL/QSD/QAD/11	SOP No.: SOP/QC/11-S040
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SPECIFICATION : SODIUM PHOSPHATE MONOBASIC DIHYDRATE AR

Issue date	23/04/2018	Review date	22/04/2023	Location	All Units
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PRODUCT DETAILS

1	Molecular Formula	NaH ₂ PO ₄ · 2H ₂ O	
2	Product code	S040	$\begin{array}{c} \text{O} \\ \parallel \\ \text{HO}-\text{P}-\text{ONa} \cdot 2\text{H}_2\text{O} \\ \\ \text{OH} \end{array}$
3	Molecular weight	156.01	
4	CAS No	13472-35-0	
5	Risk Statement No	---	
6	Safety Statement No	24/25	
7	UN No.	---	

PACKING DETAILS

	Product code	Pack size
1	S04010	500 g
2	S04013	5.0 Kg

PRODUCT SPECIFICATION

SL. No. TEST PARAMETERS

LIMITS

1	Description	White crystalline powder.
2	Clarity	10% solution in water is clear and colourless.
3	Assay	Between 99.0 and 100.0%
4	pH (5% aqueous solution)	Between 4.2 and 4.6
5	Water insoluble matter	Not more than 0.01%
6	Loss on drying (130°C)	Between 21.0 and 24.0%
7	Chloride (Cl)	Not more than 0.001%
8	Sulphate (SO ₄)	Not more than 0.005%
9	Arsenic (As)	Not more than 0.0001%
10	Calcium (Ca)	Not more than 0.002%
11	Iron (Fe)	Not more than 0.001%
12	Heavy metals (as Pb)	Not more than 0.0005%
13	Magnesium (Mg)	Not more than 0.001%
14	Potassium (K)	Not more than 0.005%
15	Substance reducing permanganate	Passes test

SAFETY SYMBOLS