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Monosodium Phosphate

- Chemical Name: Monosodium Phosphate;
- Formula: NaH_2PO_4 , $\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$
- Molecular Weight:119.98,137.99
- Specificity : NaH_2PO_4 is white crystalline powder or granules, and melting point is at 190°C . $\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$ is white or transparent crystals or granules, relative density at 1.915, melting point at 57.4°C . All easily soluble in water, but not in ethanol solution. PH value of 1% solution is between 4.1-4.7.
- Quality standard:

Name of index	FCC-V
Assay(As NaH_2PO_4 after drying) , $\geq\%$	98.0-103.0
Arsenic, $\leq\%$	0.0003
Fluoride, $\leq\%$	0.005
Lead, $\leq\%$	0.0004
Insoluble Substances, $\leq\%$	0.2
Loss on drying,Anhydrous $\leq\%$	2.0
Monohydrate	10.0-15.0

- USES: Used for water treatment to boiler, also as buffering agent, dyeing flux, for tanning and electroplating. For food additive it is mainly used as buffering agent, emulsification agent, nourishment, etc.
- Packing: It is packed with polyethylene bag as liner, and Composite paper bag as the out layer The net weight of each bag is 25kg.
- Storage and Transport: It should be stored in a ventilative and dry warehouse instead of in the open air, kept away from water, moisture and sunlight during transport, handled with care, so as to avoid damage to plastic bags. Furthermore, it should be stored separately from poisonous substances.