

TECHNICAL DATA SHEET

SODIUM HYPOPHOSPHITE

Molecular Formula : $\text{NaH}_2\text{PO}_2 \cdot \text{H}_2\text{O}$

Molecular Weight : 105.99

Properties :

Pearl-luster crystal or white crystal powder, hygroscopic and deliquescent; Easily soluble in water, Pearl-luster crystal or white crystal powder, hygroscopic and deliquescent; Easily soluble in water, reducing agent.



Uses :

Mainly used as the reductant for chemical plating. A dense and uniform nickel phosphorus film can be obtained for both large equipment and tiny components, articles with complicated external shape of convex concave lines or internal wall of deep-hollows, the surface of non-metals such as plastic, ceramics, glass and etc, the film possess a good surface hardness and abrasion resistance.



The product can be widely used in electronics, aviation, mechanism, and petroleum fields. It can also be used to prepare various industrial water treatment agents, used as catalyst and stabilizer of chemical reactions, and also used as interface activator M.W. moderater and thermostablizer for synthetic resins and additive for foods, and etc.

Storage : Seal airtight

Packing :

- (1).25Kg in net weight each, cardboard barrel lined with PE bag.
- (2).500Kg net weight each, container bag lined with PE bag.
- (3).1000Kg net weight each, container bag lined with PE bag.

Items	Specification	Results
Appearance	White Crystals	White Crystals
Sodium Hypophosphite ($\text{NaH}_2\text{P}_2\text{O}\cdot\text{H}_2\text{O}$)	103%-104%	103.42%
Phosphite (Na_2HPO_3)	0.5% Max	0.10%
Calcium (Ca)	<50ppm	19ppm
Iron (Fe)	<2ppm	0.4ppm
Lead (Pb)	<1ppm	<1ppm
Cadmium(Cd)	<1ppm	<1ppm
Copper(Cu)	<1ppm	<1ppm
Zinc(Zn)	<1ppm	<1ppm
Total Heavy Metals	<2ppm	<2ppm
Chloride (Cl)	<100ppm	54ppm
Sulfate (SO_4)	<100ppm	15ppm
PH (10% Water Solution)	6.0--8.0	6.75