



**SICHUAN MIANZHU HANWANG INORGANIC SALT  
CHEMICAL INDUSTRY CO.,LTD**

Website:[www.scwujiyan.com](http://www.scwujiyan.com)

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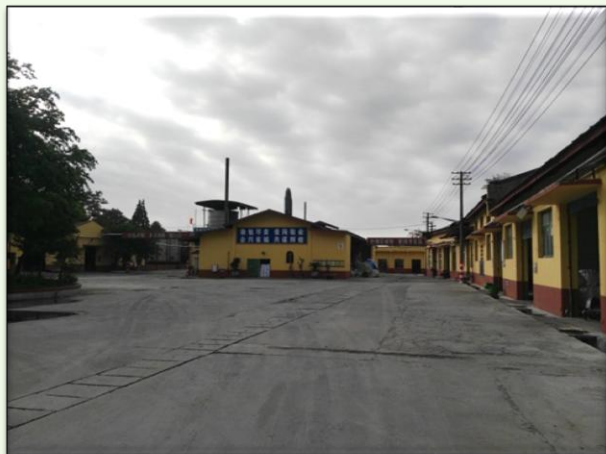


## Company Profile:

Founded in 1997, Hanwang Inorganic Salt Chemical Industry Co.,Ltd is a professional manufacturer with extensive production experiences in the field of phosphate. Located in Hanwang town, Mianzhu city within Sichuan province, our company is contiguous to Shifang city which is the phosphate base of Sichuan with a great cost position. Mianzhu is only 100KM away from Chengdu with convenient transportation and abundant phosphate rocks.

Our factory is very beautiful and cover an area of 27000 square meters. We unify a professional team of high-quality, strong development capabilities and extensive experience. "Wandeng" is Our registered trademark, and our main products are: mono ammonium phosphate, di ammonium phosphate, mono potassium phosphate, di potassium phosphate, urea phosphate, sodium phosphate, etc. There are industrial grade, fertilizer grade and feed grade for our products. We hold license of import and export with an exports share of 95 percent around. Our products are sold to USA, Japan, Korea, Southeast Asia, the Middle East, Europe and Taiwan.

# Factory View:



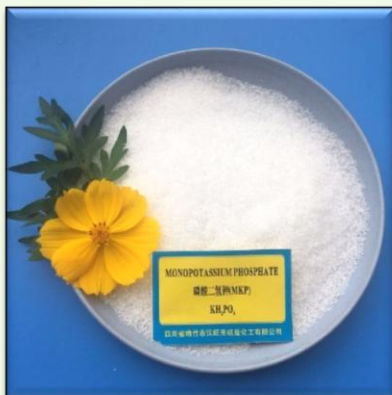
# Certificates:



## PRODUCTS LIST:

- 1、 MONO POTASSIUM PHOSPHATE(MKP 00-52-34)
- 2、 DIPOTASSIUM PHOSPHATE TRIHYDRATE (TDKP 00-31-41)
- 3、 MONOAMMONIUM PHOSPHATE (MAP 12-61-00)
- 4、 UREA PHOSPHATE (UP 17-44-00)
- 5、 DIAMMONIUM PHOSPHATE (DAP 21-53-00)
- 6、 SODIUM PHOSPHATE ANHYDROUS (MSP)
- 7、 MONOSODIUM PHOSPHATE DIHYDRATE (MSP.2H<sub>2</sub>O)
- 8、 TRISODIUM PHOSPHATE DODECAHYDRATE (TSP.12H<sub>2</sub>O)
- 9、 DISODIUM PHOSPHATE DIHYDRATE (DSP.2H<sub>2</sub>O)
- 10、 DISODIUM PHOSPHATE DODECAHYDRATE (DSP.12H<sub>2</sub>O)
- 11、 ACIDIC POTASSIUM PHOSPHATE (AKP 00-60-20)

# 1、 MONO POTASSIUM PHOSPHATE (MKP 00-52-34) (Tech Grade/ High Purity Grade/ Feed Grade)



Molecular formula:  $\text{KH}_2\text{PO}_4$

Molecular weight: 136.09

Properties: white crystal. Relative density is 2.338, and melting point is 252.6 centigrade. It is soluble in water and insoluble in ethanol, and water solution shows acidity. It melts and becomes transparent liquid at 400 centigrade. After refrigerating, it becomes opaque potassium metaphosphate. It is easy to deliquesce.

Standard executed: HG/T 4511-2013 and GB 25561-2010 HG/T2086-2011



Specifications		Tech Grade	High purity Grade	Feed Grade
Appearance		White or colorless crystal powder		
Main contents	%≥	98.00	99.00	98.00
Phosphorus pentoxide (P <sub>2</sub> O <sub>5</sub> )	%≥	51.20	51.70	P-22.3
Potassium oxide(K <sub>2</sub> O)	%≥	33.50	34.00	K-28
Water insoluble	%≤	0.2	0.2	-
Heavy metal, as Pb	%≤	0.005	0.001	0.002
PH value of 1% solution	--	4.3--4.7	4.2--4.7	-
Moisture	%≤	0.2	0.2	0.5
Arsenic (as As)	%≤	0.005	0.0003	0.001
Fluoride (as F)	%≤	0.05	0.001	0.18

## 2、DIPOTASSIUM PHOSPHATE TRIHYDRATE (TDKP 00-31-41) (Tech Grade/ High Purity Grade/ Feed Grade)



Molecular formula:  $K_2HPO_4 \cdot 3H_2O$

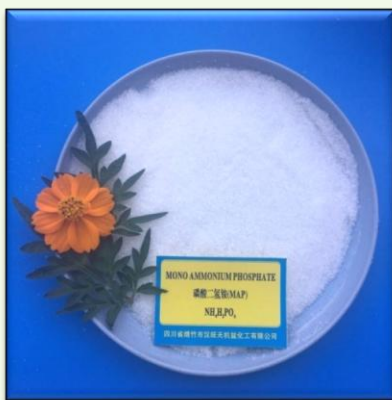
Molecular weight: 228.22

Properties: White crystal. Easily soluble in water, and slightly soluble in alcohol. And its water solution shows weak alkalinity.



Specification		Tech grade	High purity grade	Feed grade
Appearance		White crystal		
Main contents	% $\geq$	98.00	98.00	97.00
Phosphorus pentoxide, as $P_2O_5$	% $\geq$	30.50	30.50	-
Potassium oxide, as $K_2O$	% $\geq$	40.40	40.40	-
Water insoluble	% $\leq$	0.2	0.2	0.2
Heavy metal, as Pb	% $\leq$	0.005	0.001	0.003
PH value of 1% solution	--	8.6-9.4	8.6--9.4	8.6-9.6
Arsenic (as As)	% $\leq$	0.005	0.0003	0.001
Fluoride (as F)	% $\leq$	0.05	0.001	0.005

### 3、 MONOAMMONIUM PHOSPHATE (MAP 12-61-00) (Tech Grade/ High Purity Grade)



Molecular formula:  $\text{NH}_4\text{H}_2\text{PO}_4$

Molecular weight: 115.02

Properties: White crystal. The relative density is 1.803 and melting point is 190 centigrade. It is easily soluble in water and slightly soluble in alcohol, insoluble in acetone. It is stability in the air, and decomounds only a little at 100 centigrade. It loses ammonia and water, and becomes ammonium metaphosphate and phosphoric acid exceeding 190 centigrade.

Standard executed: HG/T 4133-2010 and GB 25569-2010



Specifications		Tech grade	High purity grade
Appearance		White or colorless crystal powder	
Main contents	%≥	98.50	99.00
Phosphorus pentoxide, as $\text{P}_2\text{O}_5$	%≥	60.80	61.00
Nitrogen, as N	%≥	11.80	12.00
Heavy metals, As Pb	%≤	0.005	0.001
Moisture	%≤	0.2	0.2
Water insoluble	%≤	0.1	0.1



#### 4、UREA PHOSPHATE (UP 17-44-00) (Tech Grade/ High Purity Grade)



Molecular formula:  $\text{H}_3\text{PO}_4 \cdot \text{CO}(\text{NH}_2)_2$

Molecular weight: 158.05

Properties: Colourless clarity prism crystal. The melting point is 117.3 centigrade. It is soluble in water and insoluble in aether, toluene and tetrachloride., its aqueous solution shows acidity.

Standard executed: GB/T 27805-2011



Specification		Tech grade	High purity grade
Appearance		White or colorless crystal	
Main contents	%≥	98.00	98.00
Phosphorus pentoxide, as $\text{P}_2\text{O}_5$	%≥	44.00	44.00
Nitrogen, as N	%≥	17.00	17.00
Water insoluble	%≤	0.1	0.1
Loss on drying	%≤	0.5	0.5
Heavy metal, as Pb	%≤	0.003	0.001

## 5、DIAMMONIUM PHOSPHATE (DAP 21-53-00) (Tech Grade/ High Purity Grade)



Molecular formula:  $(\text{NH}_4)_2\text{HPO}_4$

Molecular weight: 132.06

Properties: white crystal. The relative density is 2.338. It is soluble in water and insoluble in ethanol, acetone and ammonia. It decomposes at 155 centigrade. It is easy to lose ammonium and becomes ammonium dihydrogen phosphate in the air. React with ammonia and form triammonium phosphate.

Standard executed: HG/T 4132-2010 and GB 30613-2014



Specifications	Tech Grade	High Purity Grade
Appearance	White or Colorless Crystal Powder	
Main contents	%≥ 98.00	98.00
Phosphorus pentoxide, as $\text{P}_2\text{O}_5$	%≥ 52.70	52.70
Nitrogen, as N	%≥ 20.80	20.80
PH of 1% water solution	-- 7.8--8.5	7.8--8.2
Heavy metal, as Pb	%≤ 0.005	0.001
Water insoluble	%≤ 0.1	0.1

## 6、SODIUM PHOSPHATE ANHYDROUS (MSP) (Tech Grade/ High Purity Grade/ Feed Grade)



Molecular formula:  $\text{NaH}_2\text{PO}_4$

Molecular weight: 119.98

Properties: White powder or white crystal, the melting point is 190 centigrade. It is soluble in water showing acidity. It decomposes sodium pyrophosphate anhydrous at 225-250 centigrade, and becomes sodium metaphosphate at 350-400 centigrade. It is slightly hygroscopic.

Standard executed: HG/T 2767-2009 and GB 25564-2010



Sepcification		Tech grade	High purity grade	Feed grade
Appearance		White or colorless crystal		
Main contents	% $\geq$	98.00	98.00	98.0-103.0
$\text{P}_2\text{O}_5$	% $\geq$	58.00	58.00	-
Water insoluble	% $\leq$	0.2	0.2	0.2
Heavy metal, as Pb	% $\leq$	0.005	0.001	0.003
PH value of 1% solution	--	4.2-4.6	4.1-4.7	4.0-5.0
Loss on drying	% $\leq$	2.0	2.0	-
Arsenic (as As)	% $\leq$	0.01	0.0003	0.001
Fluoride (as F)	% $\leq$	0.05	0.005	0.005

## 7、MONOSODIUM PHOSPHATE DIHYDRATE (MSP.2H<sub>2</sub>O) (Tech Grade/ High Purity Grade/ Feed Grade)



Molecular formula: NaH<sub>2</sub>PO<sub>4</sub>·2H<sub>2</sub>O

Molecular weight: 156.01

Properties: White crystal, relative density is 1.91, melting point is 60 centigrade. Easily soluble in water and insoluble in ethanol. its water solution shows acidity, It is easy to agglomerate in the watery air., It becomes sodium dihydrogen phosphate anhydrous at 95 centigrade, sodium pyrophosphate anhydrous at 190-204 centigrade, sodium metaphosphate at 204 –244 centigrade.

Standard executed: HG/T 2767-2009 and GB 25564-2010



Specification		Tech grade	High purity grade	Feed grade
Appearance		White or colorless crystal		
Main contents	%≥	98.00	98.00	98.0-103.0
P <sub>2</sub> O <sub>5</sub>	%≥	44.60	44.60	-
Water insoluble	%≤	0.1	0.2	0.2
Heavy metal, as Pb	%≤	0.005	0.001	0.003
PH value of 1% solution	--	4.2-4.6	4.1-4.7	4.0-5.0
Loss on drying	%≤	20-25	20-25	-
Arsenic (as As)	%≤	0.01	0.0003	0.001
Fluoride (as F)	%≤	0.05	0.005	0.005

## 8、TRISODIUM PHOSPHATE DODECAHYDRATE (TSP.12H<sub>2</sub>O) (Tech Grade/ High Purity Grade)



Molecular formula: Na<sub>3</sub>PO<sub>4</sub>.12H<sub>2</sub>O

Molecular weight: 380.12

Properties: Colourless or white crystal, relative density is 1.62, melting point is 73.3 to 76.7 centigrade. It is soluble in water and insoluble in ethanol and carbon bisulfide, its aqueous solution shows alkaline and harms to skin. Heat it up to 100 centigrade, loses 11 crystal waters and becomes sodium phosphate monohydrate. Keep on heating up to 212 centigrade, it becomes sodium phosphate anhydrous . It is easy to airslake in the dry air.

Standard executed: HG/T 2517-2009 GB 25565-2010



Specification		Tech grade	High purity grade
Appearance		White or colorless crystal powder	
Main contents	%≥	97.00	98.00
Phosphorus pentoxide, as P <sub>2</sub> O <sub>5</sub>	%≥	18.10	18.30
PH value of 1% solution	-	11.5-12.5	11.5-12.5
Heavy metal, as Pb	%≤	0.003	0.001
Water insoluble	%≤	0.2	0.2
Loss on drying	%≤	45-57	45-57

## 9、DISODIUM PHOSPHATE DIHYDRATE(DSP.2H<sub>2</sub>O) (Tech Grade/ High Purity Grade)



Molecular formula: Na<sub>2</sub>HPO<sub>4</sub>·2H<sub>2</sub>O

Molecular weight: 177.99

Properties: Colourless oblique square crystal or white powder. relative density is 2.066. Easily soluble in water and shows alkaline. Heat it up to 95 centigrade, loses 2 crystal waters becoming sodium hydrogen phosphate anhydrous.

Standard executed: GB 25568-2010



Specification	Tech grade	High purity grade
Appearance	White or colorless crystal powder	
Main contents	%≥ 98.00	98.00
Phosphorus pentoxide, as P <sub>2</sub> O <sub>5</sub>	%≥ 39.1	39.1
Heavy metal, as Pb	%≤ 0.005	0.001
Water insoluble	%≤ 0.2	0.2
PH value of 1% solution	-- 8.8-9.2	8.8-9.2
Loss on drying	%≤ 18-22	18-22

## 10、DISODIUM PHOSPHATE DODECAHYDRATE(DSP.12H<sub>2</sub>O) (Tech Grade/ High Purity Grade)



Molecular formula: Na<sub>2</sub>HPO<sub>4</sub>·12H<sub>2</sub>O

Molecular weight: 358.14

Properties: White crystal, relative density is 1.52. It is soluble in water and insoluble in ethanol, and its aqueous solution shows alkaline. The melting point is 35.1 centigrade. In the normal temperature, it loses 5 crystal waters and becomes sodium hydrogen phosphate heptahydrate. Heating it up to 100 centigrade, it loses 12 crystal waters and becomes sodium phosphate anhydrous. Decomposes to sodium pyrophosphate anhydrous at 250 centigrade. Drying it carefully below 34 centigrade, it becomes disodium hydrogen phosphate dihydrate. It is easy to airslake in the dry air.

Standard executed: HG/T 2767-2009 GB 25568-2010



Specification		Tech grade	High purity grade
Appearance		White or colorless crystal powder	
Main contents	%≥	97.00	98.00
Phosphorus pentoxide, as P <sub>2</sub> O <sub>5</sub>	%≥	19.50	19.50
Heavy metal, as Pb	%≤	0.005	0.001
Water insoluble	%≤	0.2	0.2
PH value of 1% solution	--	8.8--9.2	8.8--9.2
Loss on drying	%≤	61	61

## 11、ACIDIC POTASSIUM PHOSPHATE (00-60-20) (Tech Grade)



Molecular formula:  $\text{KH}_2(\text{PO}_4)_3$

Molecular weight: 234.00

Properties: White powder or crystal; soluble in water easily, but insoluble in organic solution; its aqueous solution is strongly acidic. Bad thermal stability, easily decomposed when it is heated.

Standard executed: Corporate Standard



Specification		Tech grade
Appearance		White powder or crystal
Main contents	% $\geq$	98.00
Phosphorus pentoxide, as $\text{P}_2\text{O}_5$	% $\geq$	60.00
Potassium oxide, as $\text{K}_2\text{O}$	% $\geq$	20.00
Moisture	% $\leq$	0.1
Water insoluble	% $\leq$	0.1
PH value of 1% solution	--	1.6-2.4

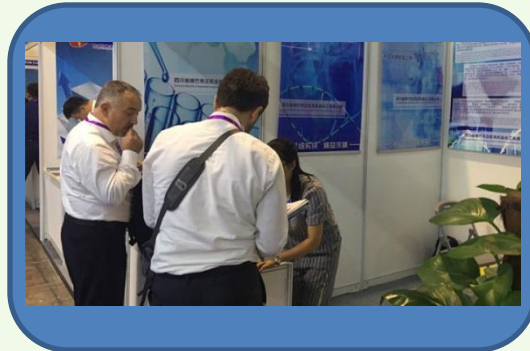


## Packaging:

Normally:25KG/bag in woven bag with inner of plastic bag, Ton bag only or with wrapping film on pallet is available  
Custom:according to your requirement,custom packaging is available



# We were in Exhibition:



## Contact us

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