



Stearic Acid Triple Pressed

Wintersun Code: 19-026
CAS Number: 57-11-4
Molecular Formula: $\text{CH}_3(\text{CH}_2)_{16}\text{COOH}$
Molecular Weight: 284.48 g/mol

Sales Specification

Appearance: White granular
Iodine value: 2.0 max.
Acid value: 205-210
Saponification value: 206-211
Congealing point: 54-57 degree C
Loss on drying: 0.2% max.
Mineral acid: 0.001% max.

Packing

In 50 LB bag, 24 bags per pallet



Sodium Stearate

Wintersun Code: 19-092
CAS Number: 822-16-2
Molecular Formula: $\text{C}_{17}\text{H}_{35}\text{COONa}$
Molecular Weight: 306.46 g/mol

Sales Specifications

Appearance: A white, fine, light powder, greasy to touch
Loss on Drying: $\leq 2.0\%$
Free Fatty Acid: $\leq 1.2\%$
Sulphonated Ash: 23% - 24%
Iodine Value: ≤ 1.0
Granulometry (200 mesh): $\geq 95\%$
Arsenic: ≤ 3 ppm
Mercury: ≤ 0.5 ppm
Heavy Metal Lead: ≤ 10 ppm

Packing

In 50 LB bag/ 16 bags per pallet



Sodium Tripolyphosphate (STPP)

Applications

The alkaline phosphates offer detergency activity in combination with the properties of sequestration, dispersion and buffering ability. STPP is used in water softening, industrial cleaners, food uses, detergent, emulsifier of oil and grease, peptizing agent, deflocculating agent in oil well, sequester in cotton boiling.

Sodium Tripolyphosphate (STPP) M Dense

Wintersun Code: 19-053-02
CAS Number: 7758-29-4
Molecular Formula: $\text{Na}_5\text{P}_3\text{O}_{10}$
Molecular Weight: 367.86 g/mol

Sales Specification

Appearance: White Powder
Na₅P₃O₁₀: 94% Min
P₂O₅: 57% Min
Water Insoluble: 0.10% Max
pH (1% solution): 9.2~10
Whiteness: 90% Min
Bulk Density: 0.35~0.95 g/cm³

Packing

In 50 LB paper bag, 44 bags per pallet



Sodium Tripolyphosphate (STPP) Light

Wintersun Code: 19-053-03
CAS Number: 7758-29-4
Molecular Formula: $\text{Na}_5\text{P}_3\text{O}_{10}$
Molecular Weight: 367.86 g/mol

Sales Specification

Appearance: White Granular
Na₅P₃O₁₀: $\geq 94.0\%$ min
P₂O₅ Content: $\geq 57\%$ min
Water Insoluble: $\leq 0.10\%$
Bulk Density: 0.50-0.60
pH(1% soluble in water): 9.2-10
Whiteness: $\geq 90\%$

Packing

In 50 LB bag, 26 bags per pallet





Disodium Phosphate Anhydrous, Food Grade

Wintersun Code: 04-023-2
CAS Number: 7558-79-4
Molecular Formula: Na_2HPO_4
Molecular Weight: 141.96 g/mol

Sales Specification

Appearance, Visual: White Odorless Powder
Assay/ Content, %: ≥ 98
Water Insoluble, %: ≤ 0.2
Arsenic as As, ppm: ≤ 3
Heavy Metal, as Pb: ≤ 10
Lead as Pb, ppm: ≤ 4
Fluoride as F, ppm: ≤ 50
Loss on drying, %: ≤ 5.0

Packing

In 50 LB bag, 40 bags per pallet



Trisodium Phosphate Dodecahydrate

Wintersun Code: 20-032A
CAS Number: 10101-89-0
Molecular Formula: $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$
Molecular Weight: 380.12 g/mol

Sales Specification

Appearance: White Powder
 $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$: $\geq 98.0\%$
Phosphorus pentoxide: $\geq 18.3\%$
Non-Soluble Matter: $\leq 0.10\%$
 SO_4 : $\leq 0.40\%$
pH: 11.5 - 12.5
Ferrum (Fe): $\leq 0.015\%$
Alkalinity of methyl orange (by Na_2O) %: 15.0 - 19.0 %
Chloride (CL %): $\leq 0.50\%$
Insoluble in water: $\leq 0.10\%$

Packing

In 50 LB bag, 44 bags per pallet



Tetrapotassium Pyrophosphate (TKPP) NSF

Wintersun Code: 20-005
CAS Number: 7320-34-5
Molecular Formula: $\text{K}_4\text{P}_2\text{O}_7$
Molecular Weight: 330.34 g/mol

Sales Specifications

Appearance: White Granular
Assay: 90.0% Min
pH (1% Solution): 10.0-10.7
Bulk Density: 0.85 Min
Water Insoluble: 0.20% Max

Loss on Ignition

(800°C for 30 mins): 1.0% Max
Phosphate (P_2O_5): 42.0% Min

Particle Size Distribution

Retained on 20 Mesh (850 μm): 10.0% Max
Passed thru 100 Mesh (150 μm): 30.0% Max

Packing

In 50 LB bag, 44 bags per pallet



Sodium Hexametaphosphate (SHMP) NSF

Wintersun Code: 19-024-2
CAS Number: 68915-31-1 or 10124-56-8
Molecular Formula: $\text{Na}_{(n+2)}\text{P}_n\text{O}_{(3n+1)}$

Sales Specification

Appearance: White Granules
 P_2O_5 (%): 67.0 Min
Fe (ppm): 100 Max
As (ppm): 40.0 Max
F (ppm): 5.0 Max
Pb (ppm): 1.0 Max
Cd (ppm): 1.0 Max
Hg (ppm): 1.0 Max
Water insoluble substances (%): 0.15 Max
pH (1% solution): 6.5 - 7.0
Loss on ignition 550 °C (%): 0.15 Max
Loss on drying (%): 0.15 Max
Average chain length: 12 - 17
Particle size 1 to 0.25 mm (18 to 60 mesh): -
Sieve analysis on 1.0 mm (%): 50.0 Max
Sieve analysis thru 0.25 mm (%): 25.0 Max
Bulk Density g/cc: 1.0 - 1.4

Packing

In 50 LB bag, 44 bags per pallet

