



Food Additives

DM SHMP 106

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Product Description

DM SHMP 106 (E452(i)) is a hexamer of composition $(\text{NaPO}_3)_6$. It is a water-soluble polyphosphate that consists of chains of repeating phosphate units.

Benefits

- Non- aluminum.
- White free-flowing crystalline powder.
- Strong absorption ability and easy to hydrolyze to orthophosphate in warm water, acidic or alkaline solution .Excellent leavening acid.
- DM SHMP 106 is made of thermal process phosphoric acid, and water-solution is more considering.
- DM SHMP 106 is as sequestrant ,which allows gelling agents to be hydrated at much lower temperatures .It is highest performing sequestrant available. And unlike sodium citrate, it has no taste at the concentrations used for gel hydration.

Specifications

Characteristics	Unit	Standard Request	Test Method
Total phosphate(as P_2O_5)	% (w/w)	68Min	Dova Test
Water Insoluble matter	% (w/w)	0.05 Max	Dova Test
Arsenic(As)	ppm	3 Max	Dova Test
Polymerization		9-21	Dova Test
Heavy Metal(As Pb)	ppm	10 Max	Dova Test
pH value (1 % aqueous solution)		5.8-7.3	Dova Test
Iron(Fe)	%	0.05 Max	Dova Test
Inactive(as P_2O_5)	% (w/w)	7.5Min	Dova Test

1) Delivery specification: The product is monitored on a regular basis to ensure that it adheres to the specified values.

2) Technical data: The technical data are used solely to describe the product and are not subject to regular monitoring.

Applications

DM SHMP 106 may be used in food ,it is a multi-functional ingredient that can work as a texturizer, PH regulator, metal ions chelating agent, binder, bulking agent and etc.

DM SHMP 106 may be used in a variety of beverage products . It extends shelf life, enhances flavor, and also improves clarity and prevent turbidity, such as in fruit juices and carbonated beverages. It can also stabilize the protein and enhance flavor in a protein drink. DM SHMP 106 functions as anticorrosive, chelating and masking agents in cosmetic and personal care products.

It is also used in dairy products, sausage, seafood and meat processing, and also in water treatment.

Delivery Form

White powder or granular.

Packaging

DM SHMP 106 is supplied in 25 kg bags / 1.000 kg shrink-wrapped pallets.

Storage

DM SHMP 106 is non-hygroscopic. However, when stored in open container, the product can still absorb small amounts of moisture owing to the high surface area of the powder. It is in sealed containers at room temperature in a dry place. Partially emptied containers should be carefully resealed after use.

Minimum shelf life is 24months from the date of shipping when stored according to the said conditions.

Contact Us

Please contact us for safety and regulatory details or the Material Safety Data Sheet (MSDS).