



Food Additives

## DM SAP 101

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### Sodium acid pyrophosphate (Disodium Dihydrogen phosphate)

#### Product Description

DM SAP 101 (**E450(i)**) is an inorganic compound consisting of sodium cations and pyrophosphate anion. It is White powder, soluble in water, acidic property appeared in aqueous solution.

#### Benefits

- Non- aluminum.
- White free-flowing crystalline powder.
- Would hydrolyze to sodium orthophosphate if exposed to environment.
- Excellent leavening acid.
- DM SAP101 is made of thermal process phosphoric acid, will release more CO2 rapidly.
- DM SAP101 has no bitter taste and a good smell.
- Have two types: SAPP28, SAP40, SAPP15.

#### Specifications

Characteristics	Unit	Standard Request	Test Method
Content ( $\text{Na}_2\text{H}_2\text{P}_2\text{O}_7$ )	% (w/w)	95Min	FCC
Water Moisture	% (w/w)	1.0 Max	FCC
Arsenic (as AS)	ppm	3 Max	FCC
Density	$\text{g/cm}^3$	0.9-1.1	FCC
Heavy Metal (as Pb)	ppm	10 Max	FCC
pH value (1% aqueous solution)		3.4-4.5	FCC

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

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

#### Applications

DM SAP 101 may be used as leavening acid which combines with baking soda to release carbon dioxide to improve the texture and volume of baked goods. As a chelating agent to chelate iron to prevent discoloration in processed potato.

For industry, it is applied to oil area as a drilling fluid.

#### Delivery Form

White powder or granular.

#### Packaging

DM SAP 101 is supplied in 25 kg bags / 1.000 kg shrink-wrapped pallets.

#### Storage

DM SAP101 is in sealed containers at room temperature in a dry place. Partially emptied containers should be carefully resealed after use.

Minimum shelf life is 24 months 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).