

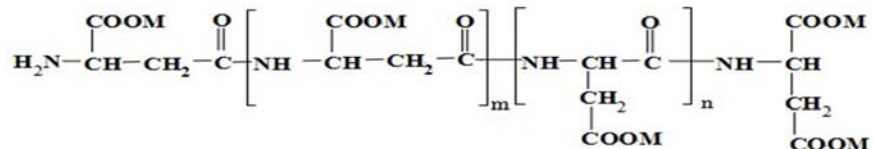
## Sodium Salt of Polyaspartic Acid (PASP)

CAS No. 181828-06-8, 35608-40-6

Molecular weight: 1000-5000

Molecular Formula:  $C_4H_6NO_3(C_4H_5NO_3M)_2C_4H_6NO_4$

Structural Formula:



$M \geq n$ , M 为  $Na^+$

### Properties:

**Sodium Salt of Polyaspartic Acid** is a water soluble polymer. It is a green water treatment agent, with properties of non-phosphor, non-nitrogen, non-pollution and fully biodegradation. **Sodium Salt of Polyaspartic Acid** has good scale inhibition on calcium carbonate, calcium sulfate, barium sulfate, calcium phosphate, etc.. Its scale inhibition rate for calcium carbonate is 100%. Moreover, PASP has dispersion and corrosion inhibition properties to metal equipment.

**Sodium Salt of Polyaspartic Acid** is an alternative of phosphor-containing Water Treatment Chemicals, avoiding water system eutrophication and second pollution.

### Specification:

Items	Index
Appearance	Yellow to umber liquid
Solid content %	40.0 min
Density (20°C)g/cm <sup>3</sup>	1.20 min
pH(1% water solution)	9.0-11.0

### Usage:

**Sodium Salt of Polyaspartic Acid** can be used as scale and corrosion inhibitor in industrial circulating cool water system, boiler water, reverse osmosis, oilfield water and desalination plant. The effects will be even better than ordinary organophosphines when used in situation of high hardness, high alkaline, high pH value and high concentration index. When built with PBTCA, the synergism is obvious.

Due to its green and non-pollution to environment, PASP can be used as accessory ingredients in daily and fine chemicals.

**Sodium Salt of Polyaspartic Acid** can be used in agricultural as nutrient absorption intensifier to improve the production of vegetable, melon and fruit, and flowers. When used together with pesticide, its effects will be improved.

**Package and Storage:**

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Normally In 250kg net Plastic Drum, IBC drum can also be used as required. Storage for ten months in room shady and dry place.

**Package and Storage:**

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Alkaline, Avoid contact with eye and skin, once contacted, flush with water.

**Synonyms:**

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PASP;Sodium Salt of Polyaspartic Acid;Sodium PASP;polyaspartate;Sodium Salt of Polyaspartic Acid (PASP)