



# POLYACRYLIC ACID SODIUM (PAAS)

## **SYNONYMS:**

PAAS; Poly(acrylate Sodium); Polyacrylic Acid Sodium; Poly (acrylic acid sodium salt)

**CAS No:** 9003-01-7

**MOLECULAR FORMULA:** C<sub>7</sub>H<sub>11</sub>O<sub>9</sub>P

**OTHER TRADE NAME:** Acumer 1100

## **PROPERTIES:**

PAA is innocuous and soluble in water, it can be used in situations of alkaline and high concentration without scale sediment. PAA can disperse the microcrystals or microsand of calcium carbonate, calcium phosphate and calcium sulfate.

## **SPECIFICATION:**

Appearance	Colorless or light yellow transparent liquid
Solid content%	50 min
Free monome(CH <sub>2</sub> =CH-COOOH)%	1.0 max
Density (20° C)g/cm <sup>3</sup>	1.2 min
pH(1% solution)	6.0~8.0

## **USAGE:**

PAA can be used as scale inhibitor and dispersant in circulating cool water systems in power plants, iron and steel factories, chemical fertilizer plants, refineries and air conditioning system. Dosage should be in accordance with quality and equipment materials. When used alone, 2-15mg/L is preferred When used as dispersant the dosage should be determined by experiment.

## **PACKING:**

240Kgs Net Drum.