



## CERTIFICATE OF ANALYSIS

Acrylic Acid-2-Acrylamido-2-Methylpropane Sulfonic Acid Copolymer

(AA/AMPS)

CAS No. 40623-75-4

Batch No. 120820C1

MF:[C<sub>3</sub>H<sub>4</sub>O<sub>2</sub>]<sub>n</sub>[C<sub>7</sub>H<sub>18</sub>NO<sub>4</sub>S]<sub>m</sub>

### Properties:

AA/AMPS is the copolymer of acrylic acid and 2-acrylamido-2-methylpropanesulfonic acid (AMPS). Due to including carboxylic group (scale inhibition and dispersion) and sulfonic acid group (strong polarity) in this copolymer, it has high calcium tolerance and good scale inhibition for calcium phosphate, calcium carbonate and zinc scale.

### Specification:

Items	Index	Result
Appearance	Colorless or light yellow liquid	Colorless or light yellow liquid
Solid content %	40 min	40.44
Free monomer (as AA)%	0.8 max	0.30
Density (20°C)g/cm <sup>3</sup>	1.15 min	1.182
pH(1% water solution)	3.5-4.5	4.15
Viscosity mpa.s	90-300	185

### Usage:

It can be used as scale inhibitor and dispersant in open circulating cool water system, oilfield refill water system, metallurgy system and iron & steel plants to prevent sediment of ferric oxide.

### Package:

200L plastic drum, IBC(1000L),customers' requirement.

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