

Anionic Flocculant

Negatively charged flocculating agent

Product Description

Anionic flocculant polymer for solid-liquid separation in water treatment.

Certificate of Analysis

HSN Code: 3906.90

CAS Number: 9003-05-8

Classification: Non-Hazardous

Parameter	Specification	Test Method
Product / Grade	Anionic Polyacrylamide Flocculant	Documentation
Appearance	White to off-white granular powder	Visual
Odor	Odorless	Sensory
Ionic Nature	Anionic	Electrophoretic / Potentiometric
Charge Density	Medium to high (10–40%)	Zeta Potential
Molecular Weight	6 – 20 million	Viscometric / GPC
Solid Content	"e 88.0 %	Oven drying (105 °C)
Moisture Content	"d 12.0 %	Oven drying
pH (1% solution, 25 °C)	6.0 – 8.0	pH meter
Bulk Density	0.6 – 0.9 g/cm³	Tapped density
Intrinsic Viscosity	4.0 – 10.0 dl/g	Brookfield viscometer
Dissolution Time (in water)	"d 60 minutes	Observation
Solubility	Completely soluble in water	Visual
Residual Monomer (Acrylamide)	"d 0.05 %	HPLC
Ash Content	"d 2.0 %	Gravimetric
Color (1% solution)	"d 50 A P H A	Photometric
Effective Flocculation Rate	"e 90 % (standard jar test)	Jar Test
Toxicity / Biodegradability	Non-toxic, biodegradable	OECD Method

Physical Properties

Appearance: White to off-white granular powder; free-flowing and free from lumps or visible impurities

Odor: Odorless

Solubility: Fully soluble in water; insoluble in most organic solvents

Packing: 25 kg HDPE laminated bags with inner liner, 500 kg / 1000 kg jumbo (FIBC) bags for industrial bulk use, Available

Storage: Store in a cool, dry, well-ventilated area away from heat and direct sunlight. Keep away from moisture to prevent

Safety & Handling

PPE: Gloves, goggles, dust mask

Hazards:

- Dust irritation
- Extremely slippery when wet