SURAJ CHEMICALS
AN ISO 9001:2015 CERTIFIED COMPANY

SUN BRAND™

SPECIFICATION SHEET

SUNFLOC POLYELECTROLYTE CATIONIC HQ

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IDENTITY	
Brand	Sun Brand (Sunfloc)
Ionic character	Cationic
Form	Granular solid
Colour	White
Major content	Polyacrylamide (CAS 9003-05-8)
POLYMER PROPERTIES	
Molecular weight	High
Charge density	Medium
Total solid content	90.0 – 100.0 %
Residual acrylamide	0 – 999 ppm
Insolubles	0.00 – 2.00 %
Particle size	> 2 mm: ≤ 2 %; < 0.15 mm: ≤ 6 %
Bulk density (approx.)	0.70 – 0.90 g/cc
SOLUTION PROPERTIES	
pH (5 g/L solution)	2.5 – 4.5
UL Brookfield viscosity	3.50 – 4.20 cP
Brookfield viscosity	510 cP at 5.0 g/L; 230 cP at 2.5 g/L; 100 cP at 1.0 g/L
Appearance of solution	Slightly hazy
Solution stability (DI water)	1 day
USE	
Recommended working concentration	4 g/L
Maximum use concentration	10 g/L
STORAGE AND SUPPLY	
Storage temperature	0 – 35 °C
Shelf life	24 months, unopened
Pack size	25 kg bags

TYPICAL APPLICATIONS

Sludge dewatering: belt press, centrifuge, filter press · Textile, tannery and pharma effluent · Sewage and biological sludge · Organic-rich industrial effluent

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