



# Satellite Science & Technology Co., Ltd.

Rev No:TDS/SAP/A0

## Super Absorbent Polymer

Issued Date:Mar 26,2020

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### Technical Data Sheet

## CR-720

Parameter	Unit	Value			Test Methods	
		Max	Target	Min	Method Number	Equivalent Method
pH	/	6.5	6.1	5.8	ISO17190-1:2001	WSP 200.2
Residual Monomer	ppm	300	150	-	ISO17190-2:2001	WSP 210.2
Particle Size Distribution	>850μm	1.0	-	-	ISO17190-3:2001	WSP 220.2
	850μm-600μm	15.0	10.0	-		
	600μm-300μm	85.0	67.0	55.0		
	300μm-150μm	30.0	22.0	10.0		
	150μm-45μm	2.0	1.0	-		
	< 45μm	0.5	-	-		
Moisture	wt%	7.0	5.0	-	ISO17190-4:2001	WSP 230.2
Free Swell Capacity (0.9%NaCl)	g/g	-	60.0	58.0	ISO17190-5:2001	WSP 240.2
Centrifugation Retention Capacity (0.9% Nacl)	F=250g g/g	-	30.0	28.5	ISO17190-6:2001	WSP 241.2
Absorption Under Pressure	0.3psi g/g	-	28.0	25.0	ISO17190-7:2001	WSP 242.2
Flowrate	g/s	11.0	-	8.0	ISO17190-8:2001	WSP 250.2
Bulk Density	g/mL	0.70	-	0.55	ISO17190-9:2001	WSP 260.2
Absorption rate, (Vortex)	s	35	28	-	Satellite	-
Whiteness	/	-	78	70	Satellite	-
Appearance	White granular or powder					
Storage	Store under dry and cool condition, and keep product air-tight.					
Packing	Kraft Paper Bag 20kg with inner PE bag; Super Sack 800kg(plastic woven bag with inner PE bag); Super Sack 1000kg(plastic woven bag with inner PE bag)					

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