

Pristine  
quality...  
consistent  
solutions



**Cellulose**  
Solutions Private Limited

Cellulose is a compound that has a history that stretches back way before the evolution of mankind. Since cellulose makes up plant cell walls, it has been a part of the earth ever since plants and trees have flourished.

Besides being important to the natural world, cellulose is extremely important to human beings. This polymer benefits humans with a broad range of applications, whether it be derived from cotton or wood.

### **Vision**

To be an Indian Multinational Company and a world leader in the cellulose derivatives market by maintaining high standards in quality.

### **Mission**

To provide clear & consistent solutions to its customers in the field of cellulose derivatives through ethical, environmental friendly & good manufacturing practices.





## The Company

Cellulose Solutions Private Limited came into existence in the year 2007 to promote and utilize its vast knowledge and experience in the field of cellulose having dealt with Cotton Linter pulp. Cellulose Solutions is a sister company of Vikarabad Pulp & Paper Mills Pvt Ltd. ([www.vikarabadmills.com](http://www.vikarabadmills.com))

At the helm of affairs is Mr. Udoye Rau Sendol, a chemical engineer with over 15 years of experience in the cotton cellulose industry, he is also a knowledge bank in cellulose chemistry and its applications. Ably supporting him is Mr. Vijayendra Sendol, the Executive Director in the sister concern located at Vikarabad. He takes overall responsibility in production department.

Located at Bidar with an area of 30 acres surrounded by greenery, Cellulose Solutions produces superior quality Carboxy Methyl Cellulose (CMC) predominantly from cotton linter pulp procured from its sister company. The company has an annual capacity of 1000 MT and its head office is located at Hyderabad.

## Holding the Edge

Cellulose Solutions Private Limited manufactures technical & purified grades of Sodium Carboxy Methyl Cellulose (CMC) and Poly Anionic Cellulose (PAC). The purified grades are produced mostly from cotton linter pulp whereas technical grades are produced either from cotton linter or wood pulp.

CMC acts as a binder, thickener, water loss control agent, rheology modifier, stabilizer, film former, crystallization inhibitor. It forms films that are resistant to oils, grease & organic solvents and readily dissolves in hot or cold water.

CMC is a white to buff colored, odorless, chemically stable, inert, free flowing, water-soluble anionic polymer. CELSOL is the brand name of CMC manufactured by Cellulose Solutions Private Limited.





## Applications

The properties of CMC make it suitable for use across a broad range of applications like Adhesives, Detergents, Oil drilling, Food, Ceramics, Paints, Cosmetics, Paper & Pharmaceuticals.

## Quality at the forefront

One common factor that stands out from sourcing of raw materials to manufacture and end product deliverables... is quality. Customer can be assured of consistency in quality every time. This is one area that is monitored with care coupled with a delivery system that is prompt at all times. Customers can look forward to a world class product at competitive prices with no compromise in quality, time and time again.

## Our Products

**CELSOL-HP:** Highly purified grades of CMC with Active matter above 99% used in Food, Pharmaceutical & Cosmetic applications

**CELSOL-P:** Purified grades with Active matter ranging from 90 to 99% used in Paints, Ceramics, Welding electrodes, Coatings, Pulp & Paper, Adhesives, Textiles etc

**CELSOL-T:** Technical grades with Active matter in the range of 60 to 90% used in Detergent, Oil drilling & other industrial applications

**CELSOL-PACLV:** Low Viscosity Oil drilling grade with degree of Substitution above 1.0

**CELSOL-PACR:** High Viscosity Oil drilling grade with degree of Substitution above 1.0



## SPECIFICATIONS

### HIGHLY PURIFIED GRADES

Name of Product	Viscosity cP (1% Solution)	Degree of Substitution	Active Matter	Applications
CELSOL - HP10K	>5000	0.65 - 0.85	99% Min.	FOOD COSMETICS PHARMACEUTICALS
CELSOL - HP5000	2500 - 5000	0.65 - 0.85	99% Min.	
CELSOL - HP1000	1000 - 2500	0.65 - 0.85	99% Min.	
CELSOL - HP600	600 - 1000	0.65 - 0.85	99% Min.	
CELSOL - HP200	200 - 600	0.65 - 0.85	99% Min.	
CELSOL - HP100	50 - 200	0.65 - 0.85	99% Min.	
CELSOL - HP50	50 Max.	0.65 - 0.85	99% Min.	



### PURIFIED GRADES

Name of Product	Viscosity cP (1% Solution)	Degree of Substitution	Active Matter	Applications
CELSOL - P10K	>5000	0.65 - 0.85	90% - 99%	PAINTS CERAMICS ADHESIVES PAPER TEXTILES COATINGS
CELSOL - P5000	2500 - 5000	0.65 - 0.85	90% - 99%	
CELSOL - P1000	1000 - 2500	0.65 - 0.85	90% - 99%	
CELSOL - P600	600 - 1000	0.65 - 0.85	90% - 99%	
CELSOL - P200	200 - 600	0.65 - 0.85	90% - 99%	
CELSOL - P100	50 - 200	0.65 - 0.85	90% - 99%	
CELSOL - P50	50 Max.	0.65 - 0.85	90% - 99%	

### TECHNICAL GRADES

Name of Product	Viscosity cP (1% Solution)	Degree of Substitution	Active Matter	Applications
CELSOL - T600	600 - 1000	0.65 - 1.0	60% - 90%	OIL DRILLING DETERGENTS WELDING ELECTRODES
CELSOL - T200	200 - 600	0.65 - 1.0	60% - 90%	
CELSOL - T100	50 - 200	0.65 - 1.0	60% - 90%	
CELSOL - T50	50 Max.	0.65 - 1.0	60% - 90%	