



CARMECEL-P
SODIUM CARBOXYMETHYL CELLULOSE (CMC)
USP/NF, Ph.Eur, JP, IP



RELIANCE CELLULOSE PRODUCTS LIMITED

(An ISO 9001-2000 Certified Company)





SODIUM CARBOXYMETHYL CELLULOSE (CMC)

CARMECEL-P is the trade name for Sodium Carboxymethyl Cellulose (CMC) manufactured by the company in two main types. *CARMECEL-T* (Technical) and *CARMECEL-P* (Purified) available in number of grades. *CARMECEL-P* is a creamish white, odourless, tasteless and non-toxic powder.

CMC is an anionic, water-soluble polymer derived from cellulose reacted with sodium monochloroacetate, CMC is a common thickener, binder, stabilizer, suspending agent, and rheology control agent.

SPECIFICATIONS

The product conforms to the standards of USP/NF, Ph.Eur, JP, IP

US-DMF No. 19430



ADDITIONAL TECHNICAL IN-HOUSE SPECIFICATIONS OFFERED

TECHNICAL GRADES TECHNICAL PURIFIED PURIFIED GRADES

GENERAL

ACTIVE MATTER CONTENT	:53±2%	:90±2%	:98%	99±1%
MOISTURE	:10% Max	:10% Max	:10% Max	
PH(1% SOLUTION)	:ALKALINE	:6.0-8.0	:6.0-8.0	

GRADE DVB(S)	VISCOSITY 600 1200	GRADE HVO	VISCOSITY 200 400	GRADE DV(S)	VISCOSITY 1000 1800	GRADE DVP45	VISCOSITY 4000-5000
DVB	500 1000	LVO	20 40	DV	500 1000	DVP35	2500-3500
HVB	300 450	CEL	<40	HV	200 350	DVP(S)	1200-2500
MVB	150 250	LSW	<50	MV	50 130	DVP	600 1200
LVB	50 150	LSH	<50	LV	30 80	HVP	250 400
UVB	<50	LSH II	400 600	*UV	<50	MVP	80 150
NH	150 300			*UUV	<25	LVP	50 100
NM	100 150			*UVP	<40*USP	250 350	



PRODUCT BENEFITS

CARMECEL-P has the following properties making it useful in a wide variety of applications:

- (a) Efficient thickening action in water solution
- (b) Film forming ability
- (c) Easy solubility in hot or cold water
- (d) Physiological inertness
- (e) Resistance to greases, oils and organic solvents
- (f) Anionic Character

CARMECEL-P is manufactured and marketed in different Technical and Purified grades depending upon:

- (a) Active Matter Content
- (b) Viscosity and
- (c) Degree of Substitution

as per customer requirements and to suit the Industry served.

It is a very versatile product and is used by almost all important Industries.

VISCOSITY TEST: Viscosities are measured in 2% solution of Technical Grades and in 1% solution of Technical Purified Grade and Purified Grade at 25 °C.

VISCOMETER Brookfield LVF Model.



OTHER PRODUCTS OFFERED



- Microcrystalline Cellulose
- Croscarmellose Sodium
- Colloidal Microcrystalline Cellulose co-processed with CMC
- Purified Cotton Linters
- Poly Anionic Cellulose both Regular & LV grades
- Cellulose Powder
- Calcium CMC
- Monochloro Acetic Acid & its Derivatives

Products are manufactured under strict cGMP compliance.

Kosher & Halal Certificates are available on requests

DISCLAIMER

PATENTS

Reliance Cellulose Products Limited does not warrant against infringement of patents of third party by reason of any uses made of the product in combination with other material or in the operation of any process, and purchasers assume all risks of patent infringement by reason of any such uses, combination, or operation.

WARRANTY

Because of the numerous factors affecting results, Reliance Cellulose Products ingredients are sold on the understanding that purchasers will make their own tests to determine suitability of these products for their particular purpose. The several uses suggested by Reliance Cellulose Products limited are presented only to assist our customers in exploring possible applications. All information and data presented are believed to be accurate and reliable, but are presented without the assumption of any liability by Reliance Cellulose Products Limited.

The information contained in this pamphlet is intended to be general in nature.

Quality through
manufacturing excellence



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