



湖南森泰



CMC&CMS专业生产商和出口商
Manufacturer&Exporter of CMC and CMS.



湖南森泰生物科技有限公司

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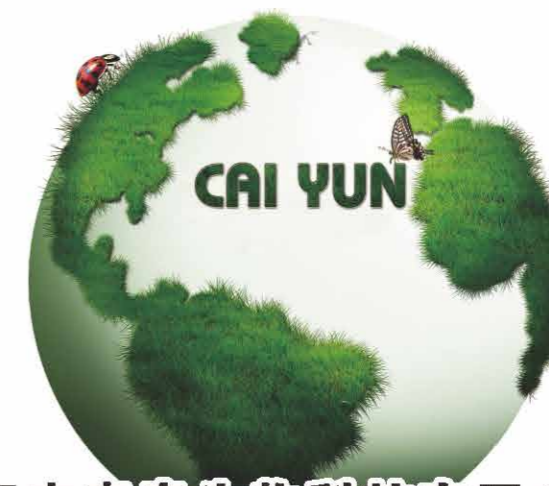
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湖南森泰生物科技有限公司



以人为本
以质量求生存
以信誉求发展

公司简介 Company profile



湖南森泰生物科技有限公司，坐落在伟人故里湖南湘潭，环境优美，交通便利，厂区占地面积15000平方米，员工100余人，注册资金1390万元。

公司设备工艺精良，各种检测设备齐全，质量体系完善，作为中国主要的羧甲基纤维素钠（CMC），聚阴离子纤维素（PAC）及羧甲基淀粉钠（CMS）专业研究、生产和销售企业之一，目前装置产能为10000吨/年。其产品覆盖造纸，食品，陶瓷，石油钻井，洗涤，纺织印染等多个领域。产品畅销全国各地，并出口到美国、加拿大、韩国、印度、东南亚等国家和地区。

森泰自主研发的速溶CMC系列产品，具有粘度高，溶解速度快等特点，产品质量处于国内领先水平，深受客户青睐。森泰公司始终坚持“以人为本、以质量求生存、以信誉求发展”的经营理念，以更加优异的产品质量，更加热情周到的服务迎接国内外新老客户的光临指导。

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Hunan Sentai Biotechnology Co., Ltd. is located in Chairman Mao's hometown of Xiangtan, Hunan province, here has beautiful environment and convenient transportation. Company covers an area of 15,000 sqm, with 100 employees, registered capital of 13.9 million yuan.

With advanced technique&equipment, modern testing instrument, sound quality control system, Sentai become one of China's major manufacturer and exporter of sodium carboxymethyl cellulose (CMC), polyanionic cellulose (PAC) and sodium carboxymethyl starch (CMS). Now our production capacity reach to 10,000 tons per year. The products are widely used in papermaking, food, ceramics, oil drilling, detergent, textile dyeing and other fields. The products were sold throughout China and exported to USA, Canada, Korea, India, Southeast Asia, etc.

The fast dissolving CMC series which independently developed by Sentai are at leading level in domestic market due to high viscosity and excellent fast speed dissolution.

"Excellent quality, good service, competitive price" is our principle to support all of our customers. Please feel free to contact us for further information.



我们的生产实力

Our production strength

湖南森泰雄厚的技术力量，先进的设备，完善的管理机制，优秀的员工队伍铸就了公司长期发展的基础，多年来，公司始终以“诚信至上”为宗旨，以“技术创新，品质精益”为立足点来更新公司的经营理念，不断地加大科技投入，优化产品结构，我们的产品以精良的工艺品质服务全国客户，走向国际市场。

With strong technical force, advanced equipment, perfect management system and excellent staff, our company consolidates the foundation from long-term development. Over the years, the company take "Integrity First" as the tenet, "Technological innovation, high quality" as the standpoint, has been updating its business philosophy, constantly increasing investment in science & technology and optimizing the product structure. Our products, with excellent quality, serve for the domestic customers and toward to the international market.



质量控制和研发

Quality Control and R&D

湖南森泰生物科技有限公司以“全员参与，系统管理，持续改进，超越顾客期望”为质量方针，深入开展QA/QC小组活动，严格按照ISO9001质量体系标准进行管理，形成了完整的质量管理体系。

公司拥有先进的检验检测设备。设备能力和人员素质除能够满足自身需要外，还能够对外承担检验，培训任务。

新产品研发能力是企业核心竞争力之一。湖南森泰生物科技有限公司与国内诸多科研机构及大专院校有长期合作关系，并建立了企业研究所，拥有博士生导师1名，博士生2名，研究生8名，专门从事产品应用领域研究，除可以为企业生产经营服务外，还可以承担社会合作项目，有多项国际领先的生产专利。

Quality Control

We have complete quality management system. All products we offer are manufactured under ISO9001 certified management system. We have advanced quality control equipments and our QA/QC staff are extensively involved in the whole manufacturing process. The end goal of our quality control efforts is to ensure the overall quality of our final products and customer satisfaction.

R&D

R&D contributes a considerable part to our core competence. Our R&D team is comprised of 1 professor, 2 doctors and 8 graduates, and focuses on the development of new application technologies. Beside, we have long-term collaborative relations with many academic research institutes in China. Some proprietary methods they invented have already been applied in our manufacturing processes.



产品应用领域介绍

Application fields

森泰公司是纤维素生产领域及改性淀粉生产领域不断创新的领导者之一，是国际市场大规模的羧甲基纤维素（CMC），聚阴离子纤维素（PAC）和羧甲基淀粉（CMS）的生产厂家之一。我们的产品均采用天然、可再生的原材料制成，森泰致力于尽可能的减少化学改性以保证产品的天然性和环保性，其产品具有多种功能，包括增稠、悬浮、稳定和凝胶等，广泛应用于食品，石油钻探，造纸，合成洗涤，建筑，陶瓷，纺织，选矿等领域。

Santai is one of the innovation leaders in the production of Cellulose and Starch, and one of the large manufacturers of Sodium Carboxymethyl Cellulose (CMC), Polyanionic Cellulose (PAC) and Carboxymethyl Starch (CMS). Our products are derived from natural, renewable raw materials, and We strive to provide these products with minimal modification and environmental protection. These products serve many functions, including viscosity modification, thickening, suspension, stabilization and gelation, widely used in food, oil and gas drilling, paper-making, detergent, buildings, ceramic, textile, and mining separation.



以人为本、以质量求生存、以信誉求发展

People-oriented to quality survival, reputation and development

01 食品级CMC

Food Grade CMC

羧甲基纤维素钠在国内最早被应用于方便面的制作，随着我国食品工业的发展，CMC在食品生产的应用途径越来越多，不同的特性起到了不同的作用，如今，已被广泛使用于冷饮、冷食、方便面、乳酸菌饮料、酸奶、果奶、果汁等众多食品行业。

主要功能

1. 增稠性：在低浓度下获得高粘度。可控制食品加工过程中的粘度，同时赋予食品润滑感。
2. 保水性：降低食品的脱水收缩作用，延长食品的货架期。
3. 分散稳定性：保持食品品质的稳定性，防止油水分层（乳化作用），控制冷冻食品中的结晶体大小（减少冰晶）。
4. 成膜性：在油炸食品中形成一层胶膜，防止过多吸收油脂。
5. 化学稳定性：对化学药品、热、光稳定，有一定的抗霉变性能。
6. 代谢惰性：作为食品的添加剂，不会被代谢，在食物中不提供热量。
7. 无臭、无毒、无味。

执行标准: GB1904-2005

CMC is widely used in frozen desserts, protein food, beverages, icings, dressings, instant noodles, etc.

1. Properties

1. Thickening: CMC can produce high viscosity at low concentration. It also acts as lubricant.
2. Water retention: CMC is a water binder, helps increase shelf life of food.
3. Suspending aid: CMC acts as emulsifier and suspension stabilizer, particularly in icings to control ice crystal size.
4. Film forming: CMC can produce a film on the surface of fried food, eg. instant noodle, and prevent absorption of excessive vegetable oil.
5. Chemical stability: CMC is resistant to heat, light, mold and commonly used chemicals.
6. Physiologically inert: CMC as a food additive has no caloric value and can not be metabolized.
7. Odorless, tasteless, non-toxic

Carried Standard: GB1904-2005

食品级CMC质量指标

指标	型号	FVH9-II	FVH9-I	FVH9	FH9	FM9	FL9	FL10	FVH6	FH6	FM6
1%水溶液粘度 (mPa·s)		≥4000	2000~4000	500~2000	200~500				≥500	200~500	
2%水溶液粘度 (mPa·s)						400~2000	25~400				400~2000
取代度		0.90~1.00						1.00~1.20	0.60~0.90		
干燥减量 (%)		≤10.0									
氯化物 (以Cl计) (%)		≤1.2									
pH值		6.0~8.5									
砷 (%)		≤0.0002									
铅 (%)		≤0.0005									
重金属 (以Pb计) (%)		≤0.0015									
铁 (%)		≤0.02									

02 石油钻井级CMC & PAC

CMC&PAC for Oil Well Drilling

产品名称：石油钻井级CMC&PAC

产品形状：白色、微黄色粉末

包装：纸塑复合袋或三层牛皮纸包装，每袋净含量20Kg或25kg

储存：清洁、干燥、通风处储存

主要用途

CMC和PAC在钻井液、固井液和压裂液中起降失水、提粘等作用，从而达到护壁、携带钻屑、保护钻头、防止泥浆流失、提高钻井速度的作用。直接加入或配成胶液加入泥浆中，淡水泥浆中加0.1-0.3%，盐水泥浆中加0.5-0.8%。

Main Usage: CMC and PAC can reduce water loss, and increase viscosity in drilling fluid, cementing fluid and fracturing fluid. They play the roles of protecting the wall of well, taking drilling trifles, protecting drilling bit, preventing mud loss and increasing drilling rate. Usage: add to mud directly or glue solution preparation. Addition: 0.1-0.3% in fresh water mud; 0.5-0.8% in salt water mud.



石油钻井级CMC & PAC 质量指标

ITEM 项目	D.S 取代度	600r/Min. Reading600 转/分		Purity 纯度	PH	Moisture 水分
CMC-LV	≥0.85	distilled water	≤90	≥90	6.5-8.5	≤10
		4% salt water	≤90			
		saturated water	≤90			
CMC-HV	≥0.80	distilled water	≥30	≥85	6.5-8.5	≤10
		4% salt water	≥30			
		saturated water	≥30			
PAC-LV	≥0.90	Viscosity Brookfield	200-400	≥95		
PAC-HV	≥0.90	Viscosity Brookfield	≥1600	≥95		

03 造纸级CMC

Paper-making Grade CMC

产品名称：造纸级羧甲基纤维素

产品形状：白色、微黄色粉末

包装：纸塑复合袋或三层牛皮纸包装，每袋净含量20Kg或25kg

储存：清洁、干燥、通风处储存

Product Name: CMC for Paper-making

Exterior: White or yellowish powder

Packing: 25kg net composite paper-plastic bags or 3-ply kraft paper bags with PE liner

Storage: Kept in a light-proof, dry and cool place

主要用途

主要用途：在造纸工业中，CMC用于制浆过程，能提高滞留率，增加湿强度；用于表面施胶，作为颜料的赋型剂，提高内部粘接力，减少印刷粉尘，提高印刷质量；用于纸张涂布，有利于颜料的分散和流动性，增强纸张的光洁度、平滑度、光学性能和印刷适应性。一般情况下推荐添加量为0.3-1.5%。

Main Usage: In making paper, CMC is used in making pulp so as to improve the retention rate and increase humidity and strength; when used in surface sizing, CMC can improve internal adhesion, decrease printing dust and enhance printing quality as molding reagent. In paper coating, CMC also helps the dispersion and fluidity of paint, improves appearance of paper and smoothness, upgrades optical performance and printing adaptability.

Addition: 0.3-1.5%

造纸级CMC 质量指标

ITEM 项目	D.S 取代度	ViscosityBrookfield 粘度	Purity 纯度	PH	Moisture 水分
ST-1	≥0.80	1% 10-20	≥95	6.5-8.5	≤10
ST-2	≥0.80	1% 20-50	≥95		
ST-3	≥0.80	1% 50-200	≥95		
ST-4	≥0.80	1% 300-800	≥95		
ST-5	≥0.80	1% 800-1200	≥95		



04 陶瓷级 CMC

Ceramic Grade CMC

产品名称：陶瓷级羧甲基纤维素

产品形状：白色、微黄色粉末

包装：纸塑复合袋或三层牛皮纸包装，每袋净含量20Kg或25kg

储存：清洁、干燥、通风处储存

Product Name: CMC for Food Grade

Appearance: White or yellowish powder

Packing: 25kg net composite paper-plastic bags or 3-ply kraft paper bags with PE liner

Storage: Kept in a light-proof, dry and cool place

主要用途

CMC用于陶瓷，作为缓凝剂，保水剂，增稠剂及稳定剂使用。在陶瓷生产过程中分别用于陶瓷坯体，釉浆，印花中显著提高坯体抗折强度，提高釉浆稳定性。

Main Usage: In ceramic, CMC is applied as retarder, water-retaining, thickening and stability. CMC is used for ceramic green body, glazing pulp and colored glaze in industry, it could strengthen toughness of shape, also enhance stability of glazing pulp.



陶瓷级 CMC 质量指标

ITEM项目	D.S取代度	Viscosity Brookfield 粘度	Purity纯度	PH	Moisture水分
C-1001	≥1.0	1% 400-700	≥95	6.5-8.5	≤10
C-1002	≥0.95	1% 400-700	≥95		
C-1592	≥0.90	1% 800-1200	≥95		
C-0492	≥0.95	1% 200-400	≥95		
C-1583	≥0.80	1% 800-1200	≥80		
C-0664	≥0.60	1% 400-700	≥60		
C-2074	≥0.90	1% 2000-2500	≥90		
9H	≥0.80	1% 2500-3500	≥90		
9L	≥0.90	1% 30-50	≥90		

05 洗涤级 CMC

Detergent Grade CMC

产品名称：洗涤级羧甲基纤维素

产品形状：白色、微黄色粉末

包装：纸塑复合袋或三层牛皮纸包装，每袋净含量20Kg或25kg

储存：清洁、干燥、通风处储存

Product Name: CMC for Detergent

Appearance: White or yellowish powder

Packing: 25kg net composite paper-plastic bags or 3-ply kraft paper bags with PE liner

Storage: Kept in a light-proof, dry and cool place

主要用途

主要用途：CMC在洗涤中主要起悬浮，防止杂质再次重复沉淀，保持水分，稳定、增稠的作用，具有溶解快，使用方便等优势。

Main Usage: CMC has an efficiency of suspension, preventing secondary-precipitation, retaining moisture, stability, thickening, with peculiarities of fast-dissolve, utilization-convenience.



洗涤级 CMC 质量指标

ITEM项目	D.S取代度	Viscosity Brookfield 粘度 25°C, cps	Purity纯度	PH	Moisture水分
XD-20	0.4-0.6	5-40(2%)	55.0-70.0	7.0-10.0	≤8.0
XD-50	0.4-0.6	10-100(2%)	55.0-70.0	7.0-10.0	≤8.0
XD-100	0.4-0.6	100-600(2%)	55.0-70.0	7.0-10.0	≤8.0
XD-300	≥0.7	2500-4500(1%)	≥96.0	6.5-8.5	≤10.0
XD-500	≥0.7	4500-5500(1%)	≥96.0	6.5-8.5	≤10.0

06 采矿级CMC

Mining Grade CMC

CMC在采矿工业中是球团矿粘结剂和浮选抑制剂，CMC是矿粉成型粘结剂的一种原料，粘结剂是制取球团不可缺少的成分，能改善湿球、干球以及焙烧球团矿性质，具有良好的粘结性和成球性。制作的生球有良好的抗爆性能，较高的干、湿球抗压及落下强度，同时又能提高球团矿品位。CMC也是浮游选矿工艺中的调整剂，主要用作硅酸盐脉石抑制剂，在铜铅分离中用于铅的抑制，有时用作矿泥分散剂等。

CMC is used in mining industry as pellet binder and floating selection inhibitor. CMC is a component of the binder for mineral dust shaping, and the binder is an indispensable ingredient in pellet forming. It can improve the character of wet pellet, dry pellet and calcinated pellet. Due to its good binding property and pellet forming property, the green pellet with CMC has excellent antiknock performance, high compressive strength and dropping resistance. It can also increase the grade of pellet. CMC is adjusting agent in floating selection process, it is used as silicate gangue inhibitor, controlling the lead in copper and lead separating, sometimes it is used as dispersant for mineral mud



选矿级CMC质量指标

指标 \ 型号	OL6	OH6	OVH6	OL9	OH9	OL6-A	OL6-G (造粒)
2%水溶液粘度 (mPa·s) 2% Soln. Viscosity(mPa·s)	100-250	5000-7000	≥7000	100-250	5000-7000	200-400	300-500
纯度 (%) Purity(%)							≥98
取代度(D.S.) Degree of Substitution	0.7-0.8		≥0.85			0.7-0.8	
pH pH Value	6-10					6.0-8.5	
干燥减量 (%) Loss on Drying(%)	≤10						≤12
40目过筛率% Particle Size(Passing through 40Mesh)(%)							≤40

07 纺织印染级CMC

Textile Grade CMC

产品名称：纺织印染级羧甲基纤维素

产品形状：白色、微黄色粉末

包装：纸塑复合袋或三层牛皮纸包装，每袋净含量20Kg或25kg

储存：清洁、干燥、通风处储存

Product Name: CMC for Textile & Printing

Exterior: White or yellowish powder

Packing: 25kg net composite paper-plastic bags or 3-ply kraft paper bags with PE liner

Storage: Kept in a light-proof, dry and cool place

主要用途

CMC用于纺纱过程中，能提高成品率，增加强度；用于印染，作为原料的悬浮剂，提高粘附率和印刷质量。用于纺纱推荐一般添加量为0.3-1.5%，用于印染添加量为0.5-2.0%。

Main Usage: In the field of textile, CMC could improve the best product & increase strength in the process of spinning, common addition is 0.3-1.5%; also could enhance the rate of bond & quality of painting as suspension of raw materials. The recommended addition is 0.5-2.0%



纺织印染级CMC质量指标

ITEM 项目	D.S 取代度	Viscosity Brookfield 粘度	Purity纯度	PH	Moisture水分
IH-8	≥0.80	1% 400-700	≥80	6.5-8.5	≤10
IH-9	≥0.90	1% 800-1200	≥90		
IH-10	≥1.2	1% 800-1200	≥90		
IM-9	≥0.90	1% 300-500	≥90		
IM-10	≥1.0	1% 100-300	≥90		

08 日化牙膏级 CMC

Toothpaste Grade CMC

产品名称：日化牙膏级羧甲基纤维素

产品形状：白色、微黄色粉末

包装：纸塑复合袋或三层牛皮纸包装，每袋净含量20Kg或25kg

储存：清洁、干燥、通风处储存

Product Name: CMC for toothpaste

Appearance: White or yellowish powder

Packing: 25kg net composite paper-plastic bags or 3-ply kraft paper bags with PE liner

Storage: Kept in a light-proof, dry and cool place

主要用途

CMC在日化中主要起悬浮，防止杂质再次重复沉淀，保持水分，稳定、增稠的作用，具有溶解快，使用方便等优势。添加量为0.3%-1.0%。CMC在牙膏中主要起赋型、粘合的作用，通过其优良的配伍性能，使牙膏保持稳定，不分水。一般情况下推荐加量为0.5-1.5%。

Main Usage: CMC has an efficiency of suspension, preventing secondary-precipitation, retaining moisture, stability, thickening, with peculiarities of fast-dissolve, utilization-convenience. addition is 0.3%-1.0%.

CMC has an efficiency of adhesion and molding when used in cosmetics & toothpaste, and stabilizes the quality of toothpaste owing to good compatibleness. The recommended addition is 0.5-1.5%.



日化牙膏级 CMC 质量指标

ITEM项目	D.S取代度	Viscosity Brookfield 粘度	Purity 纯度	PH	Moisture 水分
IH9	≥0.95	1% 200-400	≥98	6.5-8.5	≤10
IH10	≥1.0	1% 200-400	≥98		
500T	≥0.70	1% 400-700	≥99.5		
CH8	≥0.80	1% 2000-2500	≥98		
Ch9	≥0.90	1% 800-1200	≥98		

09 涂料级 CMC

Paint Grade CMC

产品名称：涂料级CMC(羧甲基纤维素钠)

产品形状：白色、微黄色粉末

包装：纸塑复合袋或三层牛皮纸包装，每袋净含量20Kg或25kg

储存：清洁、干燥、通风处储存

Product Name: Paint Grade CMC

Appearance: White or yellowish powder

Packing: 25kg net composite paper-plastic bags or 3-ply kraft paper bags with PE liner

Storage: Kept in a light-proof, dry and cool place

主要用途

做稳定剂可防止因温度的急剧变化使涂层分离。做增粘剂可使涂料状态均一，达到理想的保存和施工粘度，而不至于在贮存期内严重分层。在使用过程中能防护滴落和流挂。ST,SR系列速溶CMC,30分钟即可完全溶解，形成清澈透明，均匀的胶体溶液，无需长时间浸泡和剧烈搅拌。

Main usage

CMC is a good thickener in the preparation of paint. It is compatible with most surfactants and stabilizers in waterborne system. It improves rheological property of the paint.

S type is dissolvable in cold water after being dispersed for 20-40 minutes and then it becomes transparent viscosity dense liquid. If takes 2-5 minutes longer if you put alkaline substance into the liquid. And in hot water it only takes 2-5 minutes, CMC will dissolve absolutely.



涂料级 CMC 质量指标

项目	型号	粘度 25°C Brookfield/LVT mPas	粘度 Viscosity Brookfield	Ph值	取代度	纯度%	水份%
	T-6	2%400-800	1% 400-700	6.5-8.5	≥0.6	≥70.0	≤10.0
	T-8	2%800-2000	1% 800-1200	6.5-8.5	≥0.6	≥70.0	≤10.0
	T-10	1%300-500	1% 800-1200	6.5-8.5	≥0.7	≥75.0	≤10.0
	ST-1	1%800-1500	1% 300-500	6.5-8.5	≥0.7	≥95.0	≤10.0
	ST-3	1% 2500-3500	1% 100-300	6.5-8.5	≥0.7	≥95.0	≤10.0

08 森泰速溶CMC

Sentai Brand Fast Soluble CMC

产品名称：森泰速溶CMC(羧甲基纤维素钠)

包装：纸塑复合袋或三层牛皮纸包装，每袋净含量20Kg或25kg

储存：清洁、干燥、通风处储存

Product Name:Sentai Fast Soluble CMC

Packing: 25kg net composite paper-plastic bags or 3-ply kraft paper bags with PE liner

Storage: Kept in a light-proof, dry and cool place



主要用途

1) 粉状速溶型CMC

对CMC进行表面处理，得到的粉状速溶型的CMC，分散性能好，不抱团，溶解速度快。

2) 造粒CMC

粉状CMC在溶解时会出现结块现象，影响溶解速度，并且有扬尘现象。通过对CMC进行造粒处理后，没有抱团现象，能够快速溶解，消除了扬尘。

森泰牌速溶CMC系列产品，采用国外先进的生产设备对CMC产品进行造粒处理，造粒速溶性CMC在水中能够迅速膨胀、快速溶解、不结团，解决的用户使用的溶解难题。该产品主要用于造纸、陶瓷，涂料等的生产中。

Main characteristics

1) Fast soluble CMC powder:

Because the CMC's own characteristics, when dissolved in water used to hold together prone to the phenomenon that causes difficulty in beating operation process, the workers at the time of the operation time consuming.

In order to meet customers' habits, we passed on the CMC powder surface treatment, developed a quick dissolve in cold water, the product in the course of just weighed CMC directly put into cold water, by stir gently to dissolve into water, about 15 minutes the viscosity began to show, in about 30 minutes to obtain a stable viscosity, by adding other material molded to use.

2) Fast soluble CMC particle:

Because the characteristics of CMC powder itself, when dissolved in water used to hold together prone to the phenomenon that causes difficulty in beating the operating procedures, worker time consuming when in operation.

We develop cold powdered instant product (ST series), while taking into account the different requirements of some customers, after two years of experiments, a trial of CMC particle state, such products come not only to solve the CMC dissolved problem, but from a customer point of view, to avoid dust and other workers during operation of the phenomenon, greener, faster. Can greatly improve the efficiency of enterprises and improve the working environment

09 其他工业级CMC

Other Industrial Grade CMC

CMC作为缓凝剂、保水剂、增稠剂、粘结剂等用于涂料、蚊香、电焊、电池、洗涤等工业领域。

Industrial Grade CMC quality indicators (for welding, batteries, building materials, tobacco, mosquito coils, etc.)



其他工业级CMC质量指标

Model型号 Index指标	IVH6-II	IVH6-I	IH6	IH9	IVH9-I	IVH9-II	DH8	BH
1%水溶液粘度 (mPa·s)	≥1500	≥500	250-500	250-500	≥500	≥1500	1000-1500	1000-1800
D.S取代度	≥0.8		≥0.9			≥0.85		
Purity纯度 (%)							≥98.0	≥99.5
pH值	6.0 - 8.5							
Drying loss干燥减量 (%)	≤10.0							

羧甲基淀粉钠 CMS Sodium Carboxymethyl Starch

CMS属离子型淀粉醚，为淀粉衍生物的重要代表作品。

外观：白色或微黄色自由流动粉末。

物理性能：无毒、无嗅、无味、易溶于冷水、不溶于乙醇，固体及水溶液呈弱碱性，具有良好的稳定性。

羧甲基淀粉钠 (CMS) 是羧甲基纤维素钠 (CMC) 的最佳替代品。CMS是改性淀粉的代表产品，被化工部列为“九五”计划重点开发的六种产品之一，十大支柱工业中不可少的原料。

CMS具有稳定性、增稠性、乳化分散性、粘结性、悬浮性、保水性、螯合性、絮凝性、赋形性、流平性和离子交换功能。

CMS被广泛应用在食品、医药、化妆品、牙膏、纺织、印染、涂料、造纸、洗涤剂、环保、建材、电池、电焊条和石油钻井、地质钻探、矿井开发、天然气的开采等领域。CMS除有CMC的功能外，还具有溶解快，膨胀比例大，耗能省，易操作，综合成本低等优点，具有良好的推广使用价值。



羧甲基淀粉钠 CMS 质量指标

指标	名称	高粘度HV	中粘度MV	低粘度LV
外观Appearance	White/yellowish powder			
取代度 (D.S) ≥		0.2	0.2	0.2
纯度Purity%≥		82	65	55
细度 (目) Particle Size(mesh)≥		80	80	80
2%水溶液粘度Viscosity(2% solution,mpa.s)		150-200	80-120	10-60
干燥失重Loss on drying %≥		10	10	10
PH值 (1%)		9—13	9—13	9—13

羧甲基淀粉钠 CMS Sodium Carboxymethyl Starch

Sodium Carboxymethyl Starch(CMS) is a starch ether and solution of this product are alkaline in nature and this can also replace Sodium Carboxymethyl Cellulose in fields like Textile sizing & Printing, Corrugated Paper, Paper sizing, Oil well Drilling, Water Based Distemper, Oil Bound Distemper, Electrodes, Ceramics, Pesticides, Foundry, Adhesives etc. In some fields the performance is better than that of carboxymethyl cellulose (CMC) with competitive price. It is the best products to replace the CMC.

Examples of Application:

In soaps a small addition of Sodium CMS increases the suspending power and overall washing efficiency of the soaps.

Sodium CMS can be blended with Native Tapioca starch and used for laundry purposes.

Sodium CMS is being used in the drilling mud formulation to increase viscosity of the mud and to increase the water retention property of the drilling mud.

Sodium CMS is being used in the corrugated box gum along with plain Tapioca starch addition of Sodium CMS will improve the mixture of corrugation paste by keeping tapioca starch in suspension during corrugation.

CMS Can be used in the printing paste.

Specifications Of CMS :

CMS 生产线 Cms Production Line

