

# 杭州卡恩新型建材有限公司

Hangzhou Kahn New Building Materials Co., Ltd.

## 羧甲基淀粉(CMS)技术数据表

Technical Data Sheet for Carboxymethyl Starch (CMS)

产品型号: 8840 / K6 / 999

### 一、产品概述 / Product Description

羧甲基淀粉(CMS)是以天然淀粉为原料, 经过化学改性制得的一种阴离子型淀粉醚。本产品具有良好的水溶性、增稠性、稳定性和成膜性, 广泛应用于纺织印染、水性涂料、墙纸胶、吸水凝胶、分散悬浮剂等多个工业应用场景。

Carboxymethyl Starch (CMS) is an anionic starch ether produced by chemical modification of natural starch. This product has excellent water solubility, thickening property, stability and film-forming ability. It is widely used in various industrial applications such as textile printing and dyeing, water-based coatings, wallpaper adhesive, water-absorbing gel, and dispersing and suspending agents.

### 二、技术指标 / Technical Specifications

项目 / Parameters	8840	K6	999
粘度计型号 Viscometer	NDJ-8	NDJ-8	NDJ-8
测试条件 Test Condition	5%溶液 5% Solution	5%溶液 5% Solution	5%溶液 5% Solution
转子 Spindle	4号转子 No.4	4号转子 No.4	4号转子 No.4
转速 Speed	12转/分 12 rpm	12转/分 12 rpm	12转/分 12 rpm
粘度(cP) Viscosity(cP)	25000±10%	50000±10%	65000±10%
pH值 pH Value	9-11	9-11	9-11
外观 Appearance	片状 Flake	片状 Flake	片状 Flake
取代度(DS) Degree of Substitution	0.3	0.4	0.4

## 三、产品特性 / Product Characteristics

### 1. 水溶性好，在冷水中即可迅速溶解

1. Excellent water solubility, dissolves rapidly in cold water

### 2. 粘度稳定，具有良好的增稠效果

2. Stable viscosity with good thickening effect

### 3. 化学稳定性佳，耐酸碱

3. Good chemical stability, acid and alkali resistant

### 4. 与多种化学助剂相容性好

4. Compatible with various chemical additives

### 5. 环保无毒，生物可降解

5. Environmentally friendly and non-toxic, biodegradable

## 四、应用领域 / Application Fields

### 1. 纺织印染工业：用作印花糊料、上浆剂

1. Textile Printing and Dyeing: Used as printing paste and sizing agent

### 2. 水性涂料工业：用作增稠剂、稳定剂

2. Water-based Coatings: Used as thickener and stabilizer

### 3. 墙纸胶：提供良好的粘结力和施工性能

3. Wallpaper Adhesive: Provides good adhesion and application performance

### 4. 吸水凝胶：用于卫生用品、农业保水剂

4. Water-absorbing Gel: Used in hygiene products and agricultural water retention agents

### 5. 分散悬浮剂：用于农药、陶瓷等行业的分散稳定

5. Dispersing and Suspending Agents: Used in pesticide and ceramic industries for dispersion stabilization

## 五、使用方法 / Usage Instructions

### 1. 直接加入：将本品缓慢加入搅拌中的水中，避免结块

1. Direct Addition: Slowly add the product to stirring water to avoid lumping

### 2. 预混加入：先与少量盐混合均匀，再加入水中搅拌溶解

2. Pre-mixing: Mix evenly with a small amount of salt first, then add to water and stir to dissolve

### 3. 推荐添加量：根据具体应用和所需粘度确定，一般为0.1-2.0%

3. Recommended Dosage: Determined according to specific applications and required viscosity, generally 0.1-2.0%

## 六、包装与储存 / Packaging and Storage

### 1. 包装规格：25kg/袋，内衬塑料袋，外覆编织袋

1. Packaging: 25kg/bag, lined with plastic bag and covered with woven bag

### 2. 储存条件：干燥通风处，避免阳光直射

2. Storage Conditions: Dry and ventilated place, avoid direct sunlight

### 3. 保质期：常温下24个月

3. Shelf Life: 24 months at room temperature

## 七、安全信息 / Safety Information

1. 本品无毒无害，但避免大量吸入粉尘

1. This product is non-toxic and harmless, but avoid inhaling large amounts of dust

2. 若接触皮肤或眼睛，用清水冲洗

2. If contact with skin or eyes, rinse with water

3. 按一般化学品运输规定运输

3. Transport according to general chemical transportation regulations

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公司信息 / Company Information

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