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Technical Data Sheet

E466 CMC^{FD-AD}™

Thickening Agent, Stabilizer, Suspending Agent

Product Name : Sodium Carboxymethyl Cellulose

Product Description

E466 CMC^{FD-AD} is a high quality anionic, water-soluble cellulose derivative. CMC^{FD-AD} is soluble in water at any temperature.

Because of its highly hygroscopic nature, CMC^{FD-AD} hydrates rapidly, its high solubility and clarity of its solutions, CMC^{FD-AD} is commonly used as Thickening Agent, Stabilizer, Suspending Agent, Emulsifier, Adhesive Binder, Wetting, Dispersant, etc.

Typical Physical Properties

➤ Physical appearance	White free flowing powder
➤ Specific gravity	1.5-1.6
➤ Solubility	Soluble
➤ Bulk density	400-800 kg/m ³

Application

- Can be used as Food additives
- Can be used in Toothpaste Manufacturing
- Can be used in Cosmetics and Personal Care
- Can be used in Pharmaceutical Industry etc.

Advantages

- Good water solubility and water conservation, the oil and water do not separate with each other.
- The Substituent is distributed evenly and appropriately. It has the good property of salt tolerance, acid tolerance, anti-enzyme and strong hydrophilicity
- Appropriate viscosity and thixotropism, good property of shear-thinning. Easy dispersion and swelling in the production process makes filling production convenient
- Stabilize and lengthen the freshness lifetime

- Good protection for colloid and Strong emulfication
- Helps essence emanation and good taste
- May be used in all types of water base material
- Enhance the viscosity of mixed solution
- Can stops different material from separating and controls the thickness and texture of liquids.
- It is an excellent thermal stability
- Can be used to increase life of foam in air
- Resists attack from bacteria, requiring no preservatives or bactericide
- Environmentally acceptable

Packaging and Storage

E466 CMC ^{FD-AD} is packaged in 25 kgs kraft bags.

Store in a dry location away from sources of heat or ignition, and minimize dust.

Product Specification

No	Test Item	Quality specification
1	Appearance	White powder
2	Purity ,w/%	≥99.5
3	Viscosity (1% 25°C Brookfield),mPas	50-8000
4	Degree of substitute	0.70-0.95
5	pH value(10g/L)	6.5-8.5
6	Loss on drying (105°C, 2h),w%	≤8.0
7	Sodium Glycollate,w/%	≤0.4
8	Chloride(NaCl),w/%	≤0.5
9	Sodium (Na),w/%	≤12.4
10	Cadmium (Cd),(mg/kg)	≤ 1
11	Lead (Pb),(mg/kg)	≤ 2
12	Arsenic(As),(mg/kg)	≤ 2
13	Mercury(Hg),(mg/kg)	≤ 1
14	Particle size (sieving) (pass through 100 mesh)	95% min

Viscosity measured on dry basis of 1% water solution, at 25°C, Brookfield Viscometer, #4 spindle, 30rpm.