



SPECIFICATION OF SODIUM CARBOXYMETHYL CELLULOSE

Commodity Name: Sodium Carboxymethyl Cellulose

CAS No.: 【9004-32-4】

Synonyms: Carboxymethyl Cellulose, CMC, Sodium CMC, Na-CMC, Cellulose Gum.

HS Code: 39123100

Application: Detergent Industry

Description:

HOSEA-DT® CMC is the basic ingredient of powder detergent, especially non-phosphorus powder. It has the characteristics of a colloid, it can effectively prevent contamination of laundry washed with synthetic detergents. It can stabilize the foam and protect the skin.

In the Detergent Industry, HOSEA-DT® CMC can be used in liquid and paste detergents as a stabilizing and thickening agent. CMC, an anionic compound, acts by like-charge repulsion and negative ion accumulation to reduce fouling, making it an ideal product for preventing staining in laundered clothes. CMC also acts as a plasticizer and adhesive in soap.

Mostly Popular Specifications for Detergent Industry

Items Type	Appearance	Viscosity of 2% solution, mPa.s(25℃, Brookfield)	Degree of Substitution (D.S)	Purity, %	pH, (25℃, 1% solution	Loss on drying(H2O), %
HOSEA-DT 5	White or off-white Powder	5-40	0.5-0.7	≥55	8.0-11.5	≤8.0
HOSEA-DT 10		10-15	0.5-0.7	≥60	8.0-11.5	
HOSEA-DT 40		40-100	0.5-0.7	≥70	8.0-11.5	
HOSEA-DT 100		100-200	0.5-0.7	≥75	8.0-11.5	
HOSEA-DT 150		150-450	0.5-0.7	≥72	8.0-11.5	
HOSEA-DT 900		900-1500	0.5-0.7	≥60	8.0-11.5	
HOSEA-DT 2000		2000-3000	0.7-0.9	≥98	6.0-8.5	
HOSEA-DT 3000		3000-4000	0.7-0.9	≥98	6.0-8.5	
HOSEA-DT 4500		4500-5000	0.7-0.9	≥98	6.0-8.5	
HOSEA-DT 6000		6000-8000	0.7-0.9	≥98	6.0-8.5	
HOSEA-DT 9000		9000-12000	0.7-0.9	≥72	8.0-11.5	

Packing and Storage:

Packing: 25kg kraft paper bag with PE inner, or other packing as clients request.

Storage:

- 1.Store in a cool, dry, clean, ventilated environment. Temperature Max. 40℃, with a relative humidity ≤80%.
- 2.The product for pharmaceutical and food grade should not be put together with toxic substance and harmful substance or substance with peculiar smell during transportation and storage.
- 3.Since the date of production, a preservation period should not exceed 4 years for the industrial product and 2 year for the product for pharmaceutical and food grade.
- 4.The products should be prevented from water and package bag damaging during transportation.