

SPECIFICATION OF SODIUM CARBOXYMETHYL CELLULOSE

CAS No.: 【9004-32-4】

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

HS Code: 39123100

Application: Oil Drilling Industry

Description:

CMC and PAC can be used in drilling, fixing and fracturing fluid. The solubility, water-retention, rheological, and salt resistant properties of CMC and PAC allows them to protect the shaft wall and prevent mud loss, enhancing recovery efficiency. This product can also be used in hydraulic fracturing operations as an emulsifying agent. Our product can meet API 13A, or we can produce it according to customer requirements.

1.CMC-HV & CMC-LV conform to API 13A standard

Product Type	Item	Standard	
CMC-HV	Starch or starch derivatives presence	NO	
	Viscometer dial reading at 600r/min mPa.s	Distilled water	≥30
		4% salt water	≥30
		Saturated salt water	≥30
	Water loss, ml	≤10	
CMC-LV	Starch or starch derivatives presence	NO	
	Viscometer dial reading at 600rpm	≤90	
	Water loss, ml	≤10	

2.PAC-HV & PAC-LV conform to API 13A standard

Items Product Type	PAC-HV	PAC-LV
Moisture(105℃), %	≤10	≤10
Apparent Viscosity, mPa.s	≥50	≤40
Water Loss, ml	≤23	≤16
Starch or starch derivatives presence	NO	NO

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 environment with good ventilation. Max temperature 40°C, relative humidity ≤80%.
- 2.Pharmaceutical and food grade CMC should be kept separate from toxic or harmful substances and strong odors during transportation and storage.
- 3.From the date of production, industrial grade CMC can be preserved for 4 years. Food and pharmaceutical grade CMC can be preserved for 2 years. The product should not be used after the expiration date.
- 4.Do not allow the product to get wet or the packaging to get damaged during transportation.