



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: Oil Drilling Industry

Description:

CMC and PAC can be used in drilling fluid, fixing fluid and fracturing fluid. In drilling fluid, it works as viscosifier, filtration reducer, and rheology controller; in fixing fluid, it is used to control fluid viscosity, suspend heavy objects, and avoid fluid loss; also in fracturing fluid, it is used to carry stuffing and avoid fluid loss.

Our product can meet API 13A, or we can produce according to customer's requirement.

1. CMC-LVT conform to API 13A standard

Requirement	Standard
Starch or starch derivatives presence	no
Solution properties	
Viscometer dial reading at 600 r/min	maximum 90
Suspension properties	
Filtrate volume	Maximum 10mL

2. CMC-HVT conform to API 13A standard

Requirement	Standard
Starch or starch derivatives presence	no
Solution properties	
Viscometer dial reading at 600 r/min	
In deionized water	minimum 30
In 40g/L salt solution	minimum 30
In saturated salt water	minimum 30
Suspension properties	
Filtrate volume	Maximum 10mL

3. PAC-LV conform to API 13A standard

Requirement	Standard
Starch or starch derivatives presence	no
Moisture mass fraction	maximum 10%
Apparent viscosity	maximum 40 mPa.s (cP)
Filtrate volume	maximum 16mL



4. PAC-LV conform to API 13A standard

Requirement	Standard
Starch or starch derivatives presence	no
Moisture mass fraction	maximum 10%
Apparent viscosity	minimum 50 mPa.s (cP)
Filtrate volume	maximum 23mL

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°C, 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.