



## SPECIFICATION OF POLYANIONIC CELLULOSE

**Commodity Name:** Polyanionic Cellulose

**CAS No.:** 【9004-32-4】

**Synonyms:** Poly Anionic Cellulose, PAC HV, PAC LV, PAC R, Filtrate reducer, cellulose polymer, Oil Drilling Grade PAC.

**HS Code:** 39129000

**Application:** Oil Drilling Industry

### Description:

Polyanionic Cellulose (PAC) and Sodium Carboxymethyl Cellulose (CMC) are used in oil drilling fluids and completion fluids. In drilling fluids, it works as viscosifier, flowing controller and filtration reducer, with strong suspending capability, high ability of carrying crumbs, and the function of cleaning drilling crumbs, stabilizing of well wall, preventing the mud from flowing away, protecting drilling bit and reducing the thickness of mud cake, but while in the completion fluids, it functions to control the fluid viscosity, suspend the heavy objects, bring the filler and avoid the fluids loss. It also can replace guar gum in fracturing fluids.

### 1. 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
Purity, %	minimum 95.0

### 2. 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
Purity, %	minimum 98.0

### 3. PAC-RV

Requirement	Standard
Starch or starch derivatives presence	no
Moisture mass fraction	maximum 10%
Apparent viscosity	minimum 50 mPa.s (cP)
Filtrate volume	maximum 23mL
Purity, %	minimum 98.0



**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.