

SPECIFICATION OF OIL DRILING GRADE XANTHAN GUM 80MESH

Commodity Name: Xanthan Gum

CAS No.: 【11138-66-2】

HS Code: 39139000

Application: Oil Drilling Industry **Molecular Formula:** $C_{35}H_{49}O_{29}$ **Description:**

Xanthan Gum is hydrophilic colloids to thicken and stabilize emulsions, foams and suspensions. It can perform high viscosities at low shear rates stabilize suspensions, and provide good flow properties when poured or spooned. It was widely used in oil drilling application, it can prevent the well collapse, protecting oil and gas fields, prevent the blowout, enhancing oil recovery rate substantially, etc.

Specification: Oil Drilling Grade Xanthan Gum 80Mesh

Items	Testing standards
Appearance	White like or light yellowish powder
Viscosity, (1%KCL, cps)	1200-1700
Shear Ratio	≥ 6.5
pH(1%soln. 25°C)	6.0-8.0
Particle Size	100% through 60 mesh, not less than 95% through 80mesh
Moisture (H ₂ O), %	≤ 13
Ash, %	≤ 16
Pyruvic Acid, %	≥ 1.5
Qualitative Starch Determination	Absent
Qualitative Guar Determination	Absent
Rheology Test 0.28% XG in Sea Water Solution	
600rpm	≥ 70
300rpm	≥ 55
200rpm	≥ 45
100rpm	≥ 35
6rpm	≥ 18
3rpm	≥ 16
Brookfield LV, 1.5rpm(mPa.s)	≥ 1950

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 $\leq 80\%$. 2.The shelf life should be two years for Oil Drilling grade xanthan gum, and once open, please use out ASAP.