

SPECIFICATIONS OF XANTHAN GUM

PRODUCT DESCRIPTION

Xanthan gum is an extracellular acidic heteropolysaccharide produced by the fermentation of xanthomonas campestris bacterium. Made from corn starch and other carbohydrates through the processes of culturing, extracting, evaporating and grinding, it is widely used in industries such as food, oil, mining, pharmacy and textile.

CAS No. 11138-66-2
Chemical Formula $C_{35}H_{49}O_{29}$

TYPICAL PHYSICAL PROPERTIES

Test Item	Oil Drilling Grade MHO-80	
Appearance	Off-white or Light Yellow Free Flowing Powder	
Particle size, %	80mesh	
	Thru USS #40 \geq 95 Thru USS #200 \leq 50	
1% Kcl, mPa.s Viscosity(cps) 1% XG in 1% Kcl solution Brookfield LVDV- II +, 3#spindle, 60rpm, 25\pm1$^{\circ}$C	\geq 1200	
Shearing Ratio	\geq 6.5	
PH	6.0-8.0	
Ash, %	\leq 13.0	
Pyruvic acid, %	\geq 1.5	
Starch, Guar or their derivatives	Absent	
Loss on Drying, %	\leq 13.0	
Rheology Measurement (0.28% XG in sea water, FANN 35A, 0.2 spring)	600r/min, mPa.s	\geq 70.0
	300r/min, mPa.s	\geq 55.0
	200r/min, mPa.s	\geq 45.0
	100r/min, mPa.s	\geq 35.0
	6r/min, mPa.s	\geq 18.0
	3r/min, mPa.s	\geq 16.0
(mPa.s) Brookfield LVDV- II +, 1#spindle,1.5rpm ,25\pm1$^{\circ}$C	\geq 1950	

APPLICATION

Application
Oil drilling field

PACKAGING AND STORAGE

Packaging : 25kg compounded Paper-PE bag
Storage: Store in a cool and dry place
Shelf Life: 24 months