POLY ANIONIC CELLULOSE - PAC

LOW VISCOSITY GRADE (LV)

INFL 2000 – PRODUCT DATA SHEET

INDUSUN FLUIDS
INDUSUN DRILLING FLUIDS PVT. LTD.

Description

PAC (LV) is a purified low molecular weight polymer. It is a water soluble filtration loss controller; The low viscosity grade causes minimal increase in viscosity. The additive provides improved shale control and is primarily used in weighted systems to avoid an uncontrollable viscosity build-up.

Application

PAC (LV) helps to control fluid loss in fresh water, sea water, KCL and salt mud systems and reduces the potential for differential sticking. It resists bacterial degradation, thus eliminating the need for biocides.

Advantages

- Minimizes mud costs (effective at low concentration)
- Not susceptible to bacterial attack
- Resistant to contaminants and effective over a wide pH range
- Can be used with all types of water based mud systems
- Causes only minimal increase in viscosity

Specifications

S.No.	Parameter	Specification
1	Physical State	Free flowing powder, free from visible impurities
2	Moisture content at 105±2ºC, percent by mass	10.0 (Maximum)
3	Apparent Viscosity *of 1.0% (w/v) suspension of sample in distilled water at 24±2ºC, cP*	20 (Maximum)
4	Apparent Viscosity *of 1.0% (w/v) suspension of sample in 4% (w/v) NaCl (LR Grade) solution at 24±2 ºC, cP*	16 (Maximum)
5	Yield of 15 cP (Apparent Viscosity) suspension in distilled water, m3 / MT	90 (Minimum)
6	Yield of 15 cP suspension prepared in 4% (w/v) NaCl solution in distilled water, m3 /MT	70 (Minimum)
7	Sodium Carboxy Methyl Cellulose content on dry basis, percent by mass	85.0 (Minimum)
8	Degree of substitution	0.90 (Minimum)
9	API Filtration Loss of treated (0.5%, w/v sample) fresh water base mud, ml	Not more than 50% of the value for the fresh water base mud
10	API Filtration Loss of treated (0.5%, w/v sample) salt water base mud, ml	Not more than 25% of the value for the salt water base mud
11	Borate Sensitivity test	No stiff gel formation

Packaging

25 Kgs pre ply kraft paper bag. Customized packaging is available on request.

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