

# CARBOXY METHYL CELLULOSE – CMC

HIGH VISCOSITY GRADE (HVG)

INFL 5000 – PRODUCT DATA SHEET

## Description

CMC (HVG) is a high viscosity and high molecular weight dispersible fluid loss additive, designed to provide viscosity and reduce API filtration rate to water based drilling fluids.

## Application

CMC (HVG) is a cost effective additive used to reduce API filtration rate of many water based drilling fluids, from freshwater to saturate saltwater. It is suited for water-loss and rheological control in low-solids mud and is a highly efficient viscosifier in all other drilling muds. Also, it is very effective as a sweeping agent to clear the hole of cuttings loading.

## Advantages

- Effective in low concentrations
- Non-Toxic
- Not subjected to bacterial degradation and calcium contamination
- Can be used in most water based fluid systems, up to 120°C
- Increases viscosity

## Specifications

S.No.	Parameter	Specification
1	Physical State	Powder, free from lumps and visible impurities
2	Moisture content at 105±2°C, percent by mass	10.0 (Maximum)
3	Sodium Carboxy Methyl Cellulose Content on dry basis, percent by mass	55.0 (Minimum)
4	Yield of 15 cP (Apparent Viscosity) Suspension of CMC in distilled water, m3 / MT	200 (Minimum)
5	Yield of 15 cP (Apparent Viscosity) Suspension of CMC in salt water (35 g AR / GR grade Sodium Chloride per liter of distilled water), m3 / MT	Not less than 60% of the value obtained in distilled water
6	API Filtration loss of treated 0.5% (w/v), CMC (RG) base mud, ml	Not more than 50% of the value obtained for base mud
7	API Filtration loss of hot rolled (110±2°C for 24 hrs.) treated (0.5% w/v, CMC (RG) base mud, ml	Not more than 50% of the value obtained for base mud
8	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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