

Earth Origins

BENTONITE-DRILLING GRADE- CERTIFICATE OF ANALYSIS

API- 13A Section-9

<u>NO</u>	<u>PARAMETERS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
1	Viscometer dial reading @ 600 rpm	30 minimum	37
2	Viscometer dial reading @ 300 rpm	...	29
3	Yield point/plastic viscosity ratio	3.0 maximum	2.63
4	Filtration loss, cc	15 cc maximum	14.8
5	Wet residue > 75 microns, % wt	4.0% maximum	2.44
6	Moisture, % wt	...	10.69

API- 13A Section-11

<u>NO</u>	<u>PARAMETERS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
1	Viscometer dial reading @ 600 rpm	30 minimum	31
2	Viscometer dial reading @ 300 rpm	...	24
3	Yield point/plastic viscosity ratio	6.0 maximum	2.43
4	Filtration loss, cc	16 cc maximum	15.8
5	Wet residue > 75 microns, % wt	2.5% maximum	2.35
6	Moisture, % wt	...	10.88

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Description:

Minepro Bentonite is a naturally dried clay from India. This clay is used as Viscosifier in Drilling Mud.

Uses:

Minepro Bentonite provides viscosity, gel strengths, and filtration control properties in freshwater drilling fluids. The product can be extended to provide increased viscosity and gel properties by the addition of small concentrations of water-soluble polyacrylate polymers. Minepro Bentonite aids in reducing filtrate and the high-temperature, high pressure filtrate loss in water-base drilling fluids. Minepro Bentonite develops the necessary viscosity and gels for suspension of BARITE and drill cuttings.

Benefits:

Minepro Bentonite is mined in India where the mines are located very near to the port resulting in low cost of logistics becoming very cost effective for viscosity and basic filter cake deposition in fresh water drilling fluids.