

Technical Data Sheet

Chrome Lignosulfonate

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Chrome lignosulfonate is a thinner for drilling mud and fluid loss control agent. With obvious capability of anti-high temperature, anti-electrolytes, is naturally non poisonous completely compatible with other admixture agent etc. Specially used for complicated terrain deep well drilling.

Main Specification

Item	Requirement
Moisture	8.5%max
Insoluble in water	2.5%max
CaSO ₄	3.0%
Total Cr	3.6~4.2
Cr complex	75.0%max

Mud performance

Item		Fresh water drilling mud	Salt water drilling mud
Normal temperature	Apparent viscosity mPa.s	≤30	≤30
	Rate of reducing viscosity %	≥85	≥65
High temperature	Apparent viscosity mPa.s	≤40	≤45
	Rate of reducing viscosity %	≥60	≥60

Fucntion

1. Anti- high temperature. It can anti the high temperature between 150°C to 160°C, the property of the mud can stay the same during the 16 hours.
2. Anti- salt. It can anti the salt of 2%. The mud property of salt water is better than FCLS (Ferrochrome Lignosulfonate).
3. Dilution. The dilution is better than FCLS in the same mud.

4. It is suitable to all kinds of mud due to the excellent thinning property, filtration control capacity and powerful anti-electrolytes.

Application

Chrome Lignosulfonate can be added into drilling fluids in the form of aqueous solution or powder. When you change PH index into 10.0~10.5, the quantity of thinner was 0.5~1.0 % (W/V).

Package

25kg.per bag (net weight), With PE film bag inside and paper-plastic complex valve bag outside.

Attentions

Hazardless

The chemical property of this product is stable and will not change in the normal temperature and ordinary pressure. This product is in weak acid, avoid from the breakage of package and wearing full protective clothing to protect from contact with skin when carrying

Storage

Avoid from water and wet. Keep away from heat. Put in the place of dry and ventilate

Precaution

It will not self-ignition, you can put out with water or foam fire-extinguisher when it was ignited.

First aid

If contact with eye and skin, wash eyes with lots of water and wash skin thoroughly with water