



TECHNICAL DATA SHEET (TDS)

Product: Drilling Bentonite (DRILL Grade)

Application: Oil & Gas Drilling / Water Well Drilling / HDD

1. Physical & Rheological Properties

Test	Unit	Specification
Moisture	%	Max 12
Viscosity (600 rpm)	cp	Min 25
Yield Point / Plastic Viscosity (YP/PV)	-	Max 6
Filtration	ml	Min 18
Residue > 75 μ m	%	Max 2.5



2. Chemical Composition

Analyte	Unit	Result	Analyte	Unit	Result	Analyte	Unit	Result
SiO ₂	%	55.77	MgO	%	2.83	Cr ₂ O ₃	%	0.04
Al ₂ O ₃	%	15.71	K ₂ O	%	1.40	SrO	%	0.04
Fe ₂ O ₃	%	6.80	TiO ₂	%	0.91	BaO	%	<0.01
CaO	%	3.59	SO ₃	%	0.40	MnO	%	<0.01
Na ₂ O	%	2.88	P ₂ O ₅	%	0.16	LOI (1000°C)	%	9.31

General Notes

- Product conforms to standard drilling-grade bentonite requirements
- Suitable for mud preparation with stable viscosity and filtration control
- Can be customized based on project requirements