



Mandaksh Exports

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### LAB Report – for BENTONITE POWDER FOUNDRY GRADE

Date –22 September 2025

BATCH NO. 028.

Date of testing – 22 SEPTEMBER 2025

Sr No,	Parameters / Units	Specification	Analysis
1.	Free Swelling Value (FSV 2gm/100ml)	28 Min 30 Max	30
2.	Gelling Time	INSTANT	INSTANT
3.	Methylene Blue Value (MBV), mg/g	390-410	405
4.	PARTICLE SIZE 200 Mesh	200 Mesh	85% min
5.	Green Compressive Strength, (GCS), psi	10-12	12
6.	Montmorillonite Content %	75	75
7	Wet Tensile Strength N/cm2	0.28	0.30

#### **MONTROMOLLINITE CONTENT - 75% Min SWELLING – (2gm/100ml) – 25 min**

AL<sub>2</sub>O<sub>3</sub>. 17 to 20%  
Fe<sub>2</sub>O<sub>3</sub>. 13 to 16%  
Sodium. 2.70%max  
CaO. 2.00%  
Na<sub>2</sub>O. 2.50%  
K<sub>2</sub>O. 0.20%  
MgO. 3.00%  
SiO<sub>2</sub>. 62%  
LOI. 7 to 12% = 'LOI STANDS FOR LOSS ON IGNITION'

FOR MANDAKSH EXPORTS.

*Abhishek*  
PROPRIETOR.

