

**MATERIAL TEST REPORT
BENTONITE POWDER (SODIUM BASED)
SUPER ULTRABOND GRADE**

S.No.	CHARACTERISTIC	RESULT OBTAINED SUPER ULTRABOND GRADE	SPECIFIED as per IS 2911- (PART-I/SEC- 2)2010 Annex D & 6186-1986 (RA 2010)
01.	Swelling Index by swelled volume after 12 hours. (5gm hand shaken in 100 ml of Distilled Water)	MORE THAN 2 TIMES	TWO TIMES OF DRY VOLUME
02.	<u>Density in gm/cc</u>	1.10	1.03-1.10
03	<u>Ph</u>	9.50	9.0 – 10.5
04	<u>LIQUID LIMIT OF BENTONITE</u>	410%	No less than 400%
05	<u>LOSS ON LGNITION.</u>	5 % Max.	6% MAX.
06	SAND CONTENTS	0.95 %	2% (Max.)
07	MARCH VISCOSITY (By fan V.G. Meter at 600 RPM)	Above 36 seconds	30 - 60 seconds approx.
09	SUSPENSION	100%	90% (Min.)
10	MESS	90% pass.	200 mess.
12	MOISTURE	10.5%	5 – 12%

FOR. NEELKANTH CHEMICAL INDUSTRIES



CHEMIST