

**NATURAL GYPSUM TECHNICAL SPECIFICATION (0 - 50 MM)**

Specifications		Method	Test Results %
Purity based SO3		IS 1288	92.67
Moisture	(Free Moisture)	ASTM C471 M	0.10
Calcium Oxide	CaO		32.23
Magnesium Oxide	MgO		1.00
Silica	SiO2		0.58
Iron Oxide	Fe2O3		0.05
Aluminium Oxide	Al2O3		0.02
Sulphate	SO3		43.10
Chlorides	CL		0.003
Combined Water (215-230°C)			19.27
pH (10% Solution)			pH Meter

PARTICLE SIZE ANALYSIS

S.no	Particle size distribution	Method	Average results
a	0-50 mm	SIEVE ANALYSIS	98.43 %
b	+ 50 mm		1.57 %



**NATURAL GYPSUM TECHNICAL SPECIFICATION (50 - 150 MM)**

Specifications	Standard of Analysis	Min	Max
Moisture	ASTM C 471M	0.10%	1.0%
Combined Water/ Crystal Water	ASTM C 471M	18.50 %	20.30 %
Aluminum Oxide (Al ₂ O ₃)	ASTM C 471M	0.050%	0.15%
Iron Oxide (Fe ₂ O ₃)	ASTM C 471M	0.050%	0.15%
Calcium Oxide/Lime (CaO)	ASTM C 471M	31.00%	33.0%
Magnesium Oxide (MgO)	ASTM C 471M	0.50%	2.0%
Sulphate (SO ₃)	ASTM C 471M	42.00%	45.10%
Cl as Sodium Chloride (NaCl)	ASTM C 471M	0.005%	0.01 %
Silica (SiO ₂)	ASTM C 471M	0.30%	1%
Purity (CaSO ₄ 2H ₂ O) SO ₃	IS 1288	90.0%	97.0%
pH	ASTM C 471M	6	8
SIZE: Below 50 mm			5% .Max
SIZE: - 50-150mm			85% .Max
SIZE: - above 150mm			10% .Max

