

Technical Data Sheet

Product Name	Gypsum Powder Mesh 200	<u>Ambient Condition</u>	
Sample delivery date	August 1805	Temperature	25°C
Report date	August 1805	Pressure	630mmHg
		Humidity	20%

I. Physical Analysis

No	Property	Unit	Value
1	Initial setting time	Min	7
2	Final setting time	Min	20-22
3	Ring	mm	200-220
4	Residue on 100 mesh Sive	%	0
5	Residue on 200 mesh Sive	%	1
6	Crystal water	%	5- 5.5
7	Compressive strength (Dry Ae r 7 days)	N/mm2	6.8
8	Bending strength (Dry Ae r 7 days)	N/mm2	4.2
9	Whiteness(MINIMUM PERCENT)	%	>95
10	Mesh		200
11	Water/Plaster Ratio	%	(100/130)=76-80
12	Surface Hardness	N/mm2	5-5.4

13	Adhesive Strength	N/mm2	0.25-0.29
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II. Chemical Analysis

No	Property	Unit	Value
1	Purity Over	%	98
2	Sulphur trioxide	%	53.59
3	Calcium oxide (Ca O)	%	38.53
4	Sum of the soluble salt & magnesium salt	%	0.23
5	Percentage of the United Water in the	%	6.4
6	Loss by combustion test	≈	%0
7	Caso ⁴ 1/2 H2O	%	>96.25
8	Crystal Water/combined water	%	5.5-6.3
9	PH	-	Natural

III. International Standard

Standard type	Title
ISO 9001	Quality assurance standards
ISO 14001	Standard realizing financial and economic benefits
OHSAS 18001	Occupational Health Safety Assesment Standard
Compulsory licensing standards Iran	Standard Industrial Research Organization of Iran