

**Test Report**  
**Gypsum**

Customer Name : Nicholas Gypsum India LLP  
 Office Address : Milan Industrial Estate, Office No.428, 4th Floor,  
 T.J. Road, Abhudaya Nagar, Cotton Green (W).  
 Name of site : Shree Balaji Warehouse  
 Sample Description : ONE UP Supreme Gypsum Plaster  
 Supplier Name : ---

Date of Issue : 25/01/2017  
 Record No. : OT- 1890/1-1  
 Sample Ref. No. : OT- 21522  
 Bill No. : DT- 21510  
 Date of Collection : 21/01/2017  
 Date of Testing : 23/01/2017

**A) Chemical Analysis:--**

Sr.No.	Test	Unit	Test Results
1	Sulphate(SO <sub>3</sub> )	%	38.71
2	Total Calcium (CaO)	%	31.78
3	Loss on Ignition	%	4.51
4	Free Lime	%	0.037

**B) Specifications:- IS 2547(Part -1) - 1976 : "Specification For Gypsum Building Plaster."**

Sr.No.	Test	Unit	Plaster of paris	Retarded Hemihydrate Gypsum plaster	Anhydrous Gypsum Plaster	Keene's Plaster
1	Sulphate(SO <sub>3</sub> )	%	Min 35	Min 35	Min 40	Min 47
2	Total Calcium (CaO)	%	Min 2/3 of SO <sub>3</sub>	Min 2/3 of SO <sub>3</sub>	Min 2/3 of SO <sub>3</sub>	Min 2/3 of SO <sub>3</sub>
3	Loss on Ignition	%	4 - 9	4 - 9	Max 3.0	Max 2.0
4	Free Lime	%	-	3†	-	-

**References :**

- 1) IS 2547 (Part-1) - 1976, RA-2002 : "Specification For Gypsum Building Plaster."
- 2) IS 1288-1982, RA-1999 Method of test for mineral gypsum & gypsum product.

**Notes:**

- 1) Any test report shall not be reproduced except in full, without the written permission from Durocrete.
- 2) Please collect tested specimen in 7 days, after which they will be disposed off.
- 3) The Test Reports and results relate to the particular specimen/sample(s) of the material as delivered/received and tested in the laboratory.
- 4)† Applicable to metal lathing plaster.

Authorized Signatory

  
 25-01-17

Gajendra Pandey  
 (Technical Officer)

Durocrete's Hologram authenticates the report

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Customer Name : Nicholas Gypsum India LLP  
 Office Address : Milan Industrial Estate, Office No. 428,  
 4th Floor, T.J. Road, Abhudaya Nagar,  
 Cotton Green (W)  
 Name of site : Shree Balaji Warehouse  
 Sample : ONE UP Supreme Gypsum Plaster  
 Supplier Name : --

Date of Issue : 30/01/2017  
 Record No. : OT-1889/1-1  
 Sample Ref. No. : OT-21521  
 Bill No. : DT-21509  
 Date of Collection : 21/01/2017  
 Date of Testing : 30/01/2017

**OBSERVATIONS & CALCULATIONS:**

Sr.No.	Test	Unit	Test Results
1	Normal Consistency	%	46
2	Setting Time	Minutes	10
3	Flexural Strength (1 Day)	Kg/cm <sup>2</sup>	51.40
4	Compressive Strength (1 Day)	N/mm <sup>2</sup>	11.19
5	Compressive Strength (7 Days)	N/mm <sup>2</sup>	25.01
6	Loose Bulk Density	Kg/m <sup>3</sup>	659
7	Residue on 150 µm sieve	%	3.04

**Requirement As per IS 2547(Part -1) - 1976,RA-2002, Amend No.2 "Specification For Gypsum Building Plaster."**

Sr.No.	Test	Unit	Plaster of paris		Anhydrous Gypsum Plaster	Keene's Plaster
			Type A (short time setting)	Type A (Long time setting)		
1	Normal Consistency	%	-	-	-	-
2	Setting Time	Minutes	-	-	-	-
	a) Plaster sand mixture		45-120	120-900	-	-
	b) Neat Plaster		10-30	60-180	20-360	20-360
3	Flexural Strength (Min)	Kg/cm <sup>2</sup>	5	4*	-	-
7	Residue on 150 µm sieve (Max)	%	5.0	5.0* (1.0)†	2.0	2.0

**Requirement As per IS 2547(Part -2) - 1976,RA-2002, "Specification For Gypsum Building Plaster."**

Sr.No.	Test	Unit	Undercoat Plaster (Type A)			Final Coat Plaster (Type B), Finish Plaster
			Browning Plaster	Metal Lathing Plaster	Bonding Plaster	
1	Compressive Strength	N/mm <sup>2</sup>	0.93	1.0	1.0	-
2	Loose Bulk Density	Kg/m <sup>3</sup>	640	770	770	-

**References :**

- 1) IS 2547(Part -1) - 1976,RA-2002 - Specification For Gypsum Building Plasters(Part-I Excluding Premixed Lightweight Plasters).
- 1) IS 2547(Part -2) - 1976,RA-2002 - Specification For Gypsum Building Plasters (Part-II Premixed Lightweight Plasters).
- 2) IS 2542(Part 1/Sec 1 to 12)-1978,RA-2002- Methods of test for Gypsum Plaster,Concrete & Products.

**Notes:**

- 1)\* Applicable to undercoat plasters only.
- 2)† Applicable to final coat plasters .

Authorized Signatory

*(Signature)*  
30/01/17

Taraknath Singh  
 (Manager-Operation)

Durocrete's Hologram authenticates the report