

TEST RESULTS OF LIMESTONE SAMPLES



Issued to:

Commissioner of Geology & Mining,
GUJARAT MINERAL RESEARCH & DEVELOPMENT SOCIETY
Industries & Mines Department, Government of Gujarat,
Petrography & Mineral Chemistry Laboratory,
Near Solar Park, PDC Road, Raysan,
Gandhi Nagar - 382 007.

Reference No: GMRDS/Tech/NMET-Analysis/202/2023-24, Date: 15.03.2023

ULR: TC591824000000162F

LAB REGISTRATION NO: LL/23-24/012991 (1-13)

Date. Of Receipt of Sample : 21.03.2023

Date. Of Starting of Analysis : 23.03.2023

Date. Of Completing of Analysis : 29.03.2023

Sample Particulars: Limestone Samples.

Location: Jodhpur - Satapara Block - Devbhumi Dwarka - December-2023

Sl.No	Lab. No.	Sample ID	Silica as SiO ₂ (% by mass)	Calcium as CaO (% by mass)	Magnesium as MgO (% by mass)	Aluminium as Al ₂ O ₃ (% by mass)	Iron as Fe ₂ O ₃ (% by mass)	Phosphorus as P ₂ O ₅ (% by mass)	Sulphur as SO ₃ (% by mass)	Potassium as K ₂ O (% by mass)	Sodium as Na ₂ O (% by mass)	Loss on Ignition as LOI (% by mass)
1	LL/23-24/012991/01	C/S/23-24/1840	22.72	35.85	1.14	4.64	4.47	0.05	0.17	0.27	0.81	29.71
2	LL/23-24/012991/02	C/S/23-24/1852	18.80	37.75	1.60	5.50	3.20	0.06	0.38	0.28	0.62	31.61
3	LL/23-24/012991/03	C/S/23-24/1854	8.16	45.36	1.14	2.54	5.22	0.07	0.07	0.07	0.40	36.70
4	LL/23-24/012991/04	C/S/23-24/1867	8.56	44.00	1.43	3.80	4.43	0.08	0.10	0.17	0.52	36.22
5	LL/23-24/012991/05	C/S/23-24/1869	13.90	40.74	1.57	4.85	4.11	0.05	0.13	0.17	0.56	33.11
6	LL/23-24/012991/06	C/S/23-24/1882	6.66	46.17	1.24	3.39	4.24	0.08	0.12	0.09	0.34	37.10
7	LL/23-24/012991/07	C/S/23-24/1898	7.48	46.44	1.21	2.24	3.63	0.08	0.07	0.16	1.02	37.10
8	LL/23-24/012991/08	C/S/23-24/1908	4.68	48.34	1.22	2.28	3.67	0.05	0.10	0.06	0.28	38.90
9	LL/23-24/012991/09	C/S/23-24/1923	9.66	44.00	1.69	3.98	2.58	0.10	0.70	0.20	0.41	36.05
10	LL/23-24/012991/10	C/S/23-24/1924	5.48	47.80	1.50	2.60	2.33	0.05	0.23	0.18	0.48	38.73
11	LL/23-24/012991/11	C/S/23-24/1944	55.34	2.74	1.75	20.99	5.88	0.10	4.35	0.28	0.43	7.47
12	LL/23-24/012991/12	C/S/23-24/1949	4.96	47.26	1.19	2.04	4.98	0.07	0.19	0.09	0.47	38.17
13	LL/23-24/012991/13	C/S/23-24/1958	35.82	12.22	1.84	10.76	16.48	0.32	7.98	0.56	0.81	12.44

Test Method: IS: 1760-1992, ASTM C 1301-95 (2014)

Note 1: The above results are as on dry basis.

Note 2: The report and results relate only to the samples/items tested.

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