



Ref : GIL/RCD/03-2022

Date-23-03-2022

## CERTIFICATE

This is to certify that we have been conducting routine inspections of sanitary conditions of Bhavan's Kesari Devi Kanoria Vidya Mandir, Renukoot from time to time and is up to the mark.

For Grasim Industries Limited

A handwritten signature in black ink, appearing to be 'G. Sharma', written over a horizontal line.

Authorized Signatory

Handwritten initials 'M' in blue ink.

**Grasim Industries Limited**  
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PAN AAACG4464B



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory: 2/201, Vishwas Khand, Gomti Nagar, Lucknow- 228 010 (U.P.)

Email: ETRCLTH@YAHOO.IN, Web: www.etrclndia.com

ISO 9001:2015, ISO 14001 : 2015, OHSAS 18001 : 2007 & NABL Accredited Laboratory

An Approved Laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM14/TEST-REP/FT/17

## TEST REPORT WATER ANALYSIS

Test Report Ref No.: ETRC/EPA/5824/2022	Date of Report: 01/03/2022
Name /Address/Type of Industry	Grasim Industries Limited Chemical Division P. O.: Renukoot District: Sonbhadra (U.P.) - 231217

### SAMPLE DETAILS

1	Water/ Waste Water	Drinking Water	5	Packing Condition	Sealed
2	Sample Description	Grasim School	6	Sample Collected By	ETRC, Lucknow
3	Sample received date	25.02.2022	7	Analysis Start Date	25.02.2022
4	Sample Quantity	5.0 liters	8	Analysis End Date	01.03.2022

### TEST RESULT

Sr. No	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection	Indian Standard 10500: 2012	
						Desirable	Permissible
1	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable
3	pH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500 H <sup>+</sup>	7.5	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	BDL	2.0 - 40	1	5
5	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	76.0	5.0 - 800	200	600
6	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	100.0	2.0 - 1000	200	600
7	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	20.84	2.0 - 600	75	200
8	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	5.83	0.1 - 200	30	100
9	Chloride as Cl	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-Cl B	24.02	2.0 - 2000	250	1000
10	Fluoride as F	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 F C	0.28	0.02 - 5.0	1.0	1.5
11	Total Dissolved Solids (TDS)	mg/l	IS: 3025 (Part-16): 1984 Reaffirmed: 2017	144.0	10 - 5000	500	2000
12	Sulphate as SO <sub>4</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2-</sup>	13.72	1.0 - 500	200	400
13	Nitrate as NO <sub>3</sub>	mg/l	IS: 3025 (Part-34): 1986 Reaffirmed: 2019	BDL	1.0 - 70	45	No Relaxation
14	Sodium as Na	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Na	6.57	1.0 - 50	-	-
15	Potassium as K	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 K	1.88	1.0 - 50	-	-
16	Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
17	Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.12	0.05 - 15	5	15
18	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5

Page 1 of 2





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Test Report Ref No.: ETRC/EPA/5824/2022

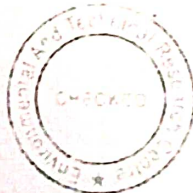
19	Cadmium as Cd	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.003	No Relaxation
20	Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 5.0	0.02	No Relaxation
21	Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.02 - 5.0	0.1	0.3
22	Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.17	0.05 - 20	0.3	No Relaxation
23	Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
24	Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
25	Mercury as Hg	µg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.5 - 1000	1.0	No Relaxation

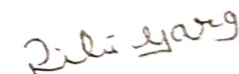
BDL=Below Detection Limit

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Ritu Garg)  
QM