





TC-5794

Discipline: Mechanical Testing

Group: Soil and Rock

CENTRE FOR DEVELOPMENT OF STONES

(An autonomous organisation promoted by Government of Rajasthan and RIICO) SP-8, SITAPURA INDUSTRIAL AREA, PHASE (IV) JAIPUR-302022, INDI Email: testinglab@cdos-india.com, info@cdos-india.com,

Website: www.cdos-india.com

STONE TESTING LABORATORY (R&D CENTRE)

ULR-TC579423000000034F

TEST REPORT

Reference No.

TRF dated May 8, 2023

Rock Type

Quartzite

Commercial Name

Lumix Crystal

Nature of the Sample

Machine Cut Tiles & Lumps

Condition of Sample

Ok

Date of receipt of sample

May 12, 2023

Date of testing

May 18, 2023 to May 29, 2023

TEST RESULT

Water Absorption {Test Method -IS 1124:1974 (Reaffirmed 2017)}

(Room Temperature: 20.2°C& Water Temperature: 20.1°C)

S.No.	Sample Mark	Specimen weight before immersion (gm)	Specimen weight after immersion for 24 hours (B) (gm)	Specimen weight after oven dry for 24 hours (A) in (gm)	Water Absorption (%)
1.	05/2023-24/QS/374	1003.96	1004.84	1002.72	0.21
2.	05/2023-24/QS/375	1003.32	1003.87	1002.04	0.18
3.	05/2023-24/QS/376	1003.96	1004.40	1002.42	0.20
			ii	Average Value	0.20





Disclaimer:

- The laboratory studies and test results pertain only to the samples supplied by customer and it shall not be generalized for the similar rock type and its location.
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Doc. No.; CDOS/TR/01

Rev. No.: 06

Rev. Date: April 7, 2022







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Apparent Specific Gravity {Test Method -IS 1124:1974 (Reaffirmed 2017)}

(Room Temperature: 20.2°C& Water Temperature: 20.1°C)

S.No.	Sample Mark	Specimen weight before immersion (gm)	Specimen weight after immersion for 24 hours (B) (gm)	Measured Quantity of water added in cylinder (C) in (ml)	Specimen weight after oven dry for 24 hours (A) in (gm)	Apparent Specific Gravity
1,	05/2023-24/QS/374	1003.96	1004.84	624	1002.72	2.67
2.	05/2023-24/QS/375	1003.32	1003.87	625	1002.04	2.67
3.	05/2023-24/QS/376	1003.96	1003.96 1004.40 625	1002.42	2.67	
	1			W	Average Value	2.67

Apparent Porosity - {Test Method -IS 1124:1974 (Reaffirmed 2017)}

(Room Temperature: 20.2°C& Water Temperature: 20.1°C)

S.No.	Sample Mark	Specimen weight before immersion (gm)	Specimen weight after immersion for 24 hours (B) (gm)	Measured Quantity of water added in cylinder (C) in (ml)	Specimen weight after oven dry for 24 hours (A) in (gm)	Apparent Porosity (%)
1.	05/2023-24/QS/374	1003.96	1004.84	624	1002.72	0.56
2.	05/2023-24/QS/375	1003.32	1003.87	625	1002.04	0.49
3.	05/2023-24/QS/376	1003.96	1004.40	625	1002.42	0,53
		A STATE OF THE PARTY OF THE PAR	300000 CONTRACTOR OF THE CONTR		Average Value	0.53

Manish Guota) Quality & Technical Manager Rrepared & Reviewed by



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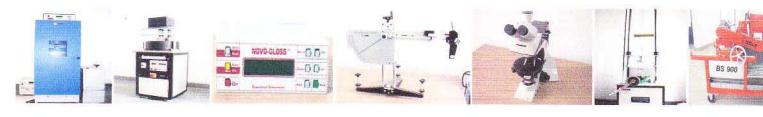
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Moh's Hardness (Test Method -CDOS/TP/23)

S.No.	Sample Mark	Scratched with no. values		
1.	05/2023-24/QS/371	Between 6 to 7		
2. 05/2023-24/QS/372		Between 6 to 7		
.3.	05/2023-24/QS/373	Between 6 to 7		

Lumix Crystal Quartzite Stone Sample

Date of issue of report: May 29, 2023

Quality & Technical Manager Prepared & Reviewed by

End of Test Report

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