



ISO 9001:2015



## CENTRE FOR DEVELOPMENT OF STONES

(An autonomous organisation promoted by Government of Rajasthan and RIICO)  
 SP-8, SITAPURA INDUSTRIAL AREA, PHASE (IV) JAIPUR-302022, INDIA  
 Email: testinglab@cdos-india.com, info@cdos-india.com.  
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### STONE TESTING LABORATORY (R&D CENTRE)

TC-5794

Discipline: Mechanical Testing

Group: Soil and Rock

ULR-TC57942300000034F

#### 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
<b>Average Value</b>					<b>0.20</b>

*Manish Gupta*  
 Manish Gupta  
 Quality & Technical Manager  
 Prepared & Reviewed by

*K. K. Mathur*  
 (K. K. Mathur)  
 Consultant Geologist  
 Authorised Signatory

#### 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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### 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	1004.40	625	1002.42	2.67
<b>Average Value</b>						<b>2.67</b>

### 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
<b>Average Value</b>						<b>0.53</b>

*Manish Gupta*  
 (Manish Gupta)  
 Quality & Technical Manager  
 Prepared & Reviewed by

*K. K. Mathur*  
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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

*(Signature)*  
 (Manish Gupta)  
 Quality & Technical Manager  
 Prepared & Reviewed by

*(Signature)*  
 (R. Mathur)  
 Consultant Geologist  
 Authorised Signatory

\*\*\*End of Test Report\*\*\*

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