



PRODUCT PERFORMANCE TESTING LABORATORY

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March 9, 2021

Ceramica San Lorenzo – Lamosa
Attn: Jimmy Muñoz
Av. Industrial S/N San Pedro – Lurin Plantal
Lima, Peru – Lima 16

Dear Mr. Muñoz,

Tile Council of North America has tested the samples you submitted. Test report TCNA-0925-20 Human Coronavirus 229Eis enclosed. If you have any questions or concerns, please contact us.

Best Regards,

TILE COUNCIL OF NORTH AMERICA, INC.

Dr. Jyothi Rangineni
Research Scientist
Enclosures

TCNA TEST REPORT NUMBER:

TCNA-0925-20

PAGE: 1 OF 3

TEST REQUESTED BY:

Ceramica San Lorenzo – Lamosa
Av. Industrial S/N San Pedro – Lurin Plantal
Lima, Peru – Lima 16

TEST SUBJECT MATERIAL:

Identified by client as: **“MADERA TRATADA”**

TEST DATE:

2/1/2021 - 3/5/2021

TEST PROCEDURE:

ISO 21702:2019 Measurement of antiviral activity on plastics and other non-porous surfaces. Test method was modified to test with viruses –Human Coronavirus 229E

TEST CONDITIONS:

Test sample size: 50 mm x 50 mm
Sterilization of samples: UV sterilization for 15 minutes
Test viruses and cell lines:

Virus	Cell line
Human Coronavirus 229E ATCC VR-740	MRC-5 ATCC CCL-171

Volume of test suspension applied on test sample:

0.4 mL

Infectivity titer of virus:

10^6 TCID₅₀/mL

Environmental conditions for contact time:

Temperature at 25°C ± 1
RH ≥ 90%





TCNA TEST REPORT NUMBER:

TCNA-0925-20

PAGE: 2 OF 3

Test Results: Results of testing performed on **MADERA TRATADA** with Human Coronavirus 229E

Sample	Virus	Cell line	Infectivity titer TCID ₅₀ /mL	Contact time	Percentage Reduction (%)*
Sample 1	Human Coronavirus 229E	MRC-5	TCID 10 ⁶ /mL	24 hr	99.9%
Sample 2					99.9%
Sample 3					99.9%

*Percentage reduction calculated per infectivity titer recovered from the glass samples after 24 hours of contact time with virus



TCNA TEST REPORT NUMBER: TCNA-0925-20
DISCLAIMER AND LIMITATION OF LIABILITY

PAGE: 3 OF 3

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3/9/2021

Dr. Jyothi Rangineni
Research Scientist