

TEST REPORT

CL0326C97

ASTM C97- ABSORPTION AND BULK SPECIFIC GRAVITY OF DIMENSION STONE

CLIENT

PETROGRAPHIC NAME [ASTM C119]

TRADE NAME

SPECIMEN QUANTITIES

5

TEST RESULTS

ABSORPTION

0,27%

BULK SPECIFIC GRAVITY

2637 kg/m3

165 lb/ft3

ABSORPTION MAX

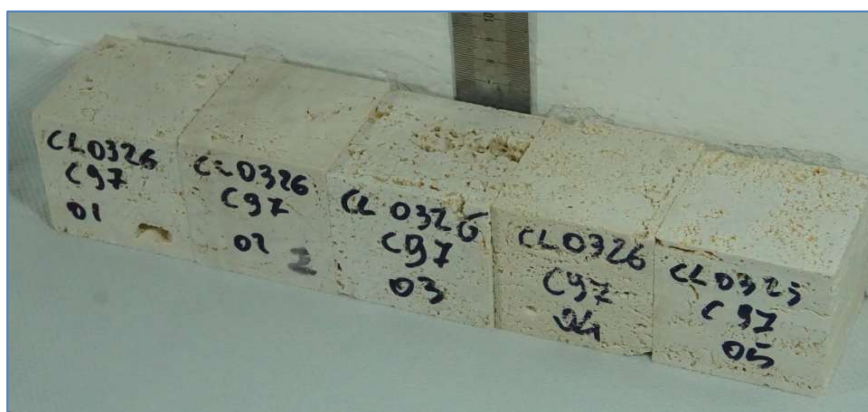
0,4%

*ASTM C1527 Standard Specification
for Travertine Dimension Stone*

BULK SPECIFIC GRAVITY MIN

2560 kg/m3

160 lb/ft3



Carrara - March 19, 2026

Test report CL0326C97 - Absorption and Bulk Specific Gravity

Apparatus

Balance Kern PLS 1300-3A, precision 0.001 gr, ventilated oven and distilled water.



KERN® KERN & Sohn GmbH
CALIBRATION
 Akkreditiertes Kalibrierlabor seit 1994.
 Laboratorio di calibrazione accreditato dal 1994.

Ihr Partner für Kalibrierdienstleistungen, Prüfmittelmanagement und Beratung.
 Un ottimo partner per i vostri servizi di calibrazione, della gestione delle attrezzature di prova e la consulenza.

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Deutsche Akkreditierungsstelle GmbH
 als Kalibrierlaboratorium im / Laboratorio di calibrazione

Deutschen Kalibrierdienst **DKD**

Kalibrierschein
 Certificato di taratura

Kalibrierzeichen
 Segno di taratura

B61-468
D-K-19408-01-00
2025-01

Seite 2 zum Kalibrierschein vom 22.01.2026
 Pagina 2 del certificato di taratura del

Die englische Übersetzung des Kalibrierscheines ist eine unverbindliche Übersetzung.
 Im Zweifelsfall gilt der deutsche Originaltext.
 La versione italiana del certificato di taratura è una traduzione non impegnativa.
 In caso di dubbi, vale il testo originale in lingua tedesca.

Auftraggeber: Commitente Marmotest s.r.l.s. Via brigate Partigiane 47 54033 Carrara (MS) Italien	Eigentümer: proprietario Marmotest s.r.l.s. Stefano/Tel. 338.4689458 Via brigate Partigiane 47 54033 Carrara (MS) Italien	nach Angabe des Auftraggebers as stated by the customer
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Kalibriergegenstand: PLS 1200-3A
 Oggetto della calibrazione
 Präzisionswaage / Bilancia di precisione
 Einbereichswaage / Bilancia ad unica scala

Serien-Nr. / Numero di serie: WIC1900460
 Inventar-Nr. / Numero d'inventario: -

Max 1200 g
 d= 0,001 g

B61-468
D-K-19408-01-00
2026-01

calibration data: 22.01.2026

Conditioning

Dry: before testing the specimens have been conditioned for 48 h at 60 °C±2°. The temperature in the ventilated oven is controlled by a West 6500 temperature controller with PID logical and a PT100 temperature sensor.

C97

CL0326C97 TEST RESULT

number of specimens **5**

date of measurement **19/03/2026**

measurement operator **11**

date of test **19/03/2026**

test operator **11**

Conditioning

	W 48h g	W 48h oz	W 49h g	W 49h oz	delta %
CL0326C97_01	336,719	11,859	336,203	11,859	0,15%
CL0326C97_02	335,597	11,822	335,153	11,822	0,13%
CL0326C97_03	336,016	11,836	335,540	11,836	0,14%
CL0326C97_04	334,993	11,799	334,498	11,799	0,15%
CL0326C97_05	359,154	11,946	338,677	11,946	5,70%

W 48h= weight after 48 hours at 60° C

W 49h= weight after 49 hours at 60° C = Dry

Weight after 48 hours in distilled water at 20°C

	W ssd g	W ssd oz
CL0326C97_01	337,183	11,894
CL0326C97_02	336,069	11,854
CL0326C97_03	336,459	11,868
CL0326C97_04	335,424	11,832
CL0326C97_05	339,550	11,977

W ssd= weight of the specimen after immersion (48 h. in distilled water at 20°C)

Absorption

	W d g	W d oz	W ssd g	W ssd oz	absorption %
CL0326C97_01	336,20	11,859	337,18	11,894	0,29%
CL0326C97_02	335,15	11,822	336,07	11,854	0,27%
CL0326C97_03	335,54	11,836	336,46	11,868	0,27%
CL0326C97_04	334,50	11,799	335,42	11,832	0,28%
CL0326C97_05	338,68	11,946	339,55	11,977	0,26%
Average:					0,27%
st.dev					0,01%

Wd= weight of the dried specimen

Bulk Specific Gravity

	W d g	W d oz	W ssd g	W ssd oz	Wimm g	Wimm oz	Gsb
CL0326C97_01	336,20	11,859	337,18	11,894	209,40	7,386	2,631
CL0326C97_02	335,15	11,822	336,07	11,854	208,78	7,364	2,633
CL0326C97_03	335,54	11,836	336,46	11,868	209,16	7,378	2,636
CL0326C97_04	334,50	11,799	335,42	11,832	208,42	7,352	2,634
CL0326C97_05	338,68	11,946	339,55	11,977	211,78	7,470	2,651
Average t/m³:							2,637
St.dev t/m³:							0,008

Wimm= weight of the specimen immersed

Gsb= Bulk specific gravity

ASTM C97 ABSORPTION = 0,27%

According to 'ASTM C1527 Standard Specification for Travertine Dimension Stone'
the maximum value to absorption= 0,40%

ASTM C97 BULK SPECIFIC GRAVITY = 2637 kg/m3 [165 lb/ft3]

Laboratory supervisor
Brunello Forfori

