

TESTING LABORATORY DIRECTORATE EUROTEST-CONTROL EAD

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Certificate of Accreditation, Reg. № 9 ЛИ / 28.02.2019, valid until 31.05.2020
issued by EA BAS in accordance with the requirements of standard
БДС EN ISO/IEC 17025:2018

QF 708-1/EN
version 1/2018

TEST REPORT

№ 12712 / 21.05.2019

1. Rocks and minerals

(product designation-type, brand, sort, etc.)

2. Customer: Vratza Stone Ltd

(name and address of the customer)

3. Object: Career Vratsa Stone Ltd. area "Stanevi nivi"

(description of the object/location of sampling)

4. Sampling: The sample has been provided by the customer.

(number and date of the report of sampling, sampling method, deviations, additions to or exclusions from the sampling method)

5. Description of the samples: 1 sample

(number, quantity, etc.)

6. Test method(s): БДС EN 1926:2008; БДС EN 13286-2:2011; БДС EN 13286-47:2012; БДС EN 13755:2008 ; БДС EN ISO 17892-2:2015; БДС EN ISO 17892-3:2016

(identification of the test method(s) used)

7. Incoming number and date of receipt of the test sample(s): 944 / 02.05.2019

(number and date of the request of testing)

8. Test performing period: 02.05.2019 to 21.05.2019

DIRECTOR OF
TESTING LABORATORY DIRECTORATE:


/ Yuliana AkraBova /



9. Test results

Sample №, lab. №, object: Sample № 1, lab. № 1904326, taken from career "Vratsa Stone" Ltd

Measurement value and range defined by specification (norm, category) according to:

№	Measurand	Standards / validated methods	Measurement Unit	Measurement result (quantity value, uncertainty)	Measurement value and range defined by specification	Environmental conditions
1	2	3	4	5	6	7
1	Volume density	БДС EN ISO 17892-2:2015	Mg/m ³	2.27 ± 0.02	-	t (22±4) °C RH (30÷60)%
2	Specific gravity	БДС EN ISO 17892-3:2016	Mg/m ³	2.71 ± 0.02	-	t (22±4) °C RH (30÷60)%
3	Voids ratio	БДС EN ISO 17892-2:2015	-	0.194	-	t (22±4) °C RH (30÷60)%
4	Uniaxial compressive strength in dry condition	БДС EN 1926:2008	MPa	100.2 ± 10.0	-	t (22±4) °C RH (30÷60)%
5	Uniaxial compressive strength in water saturated condition	БДС EN 1926:2008	MPa	97.6 ± 9.8	-	t (22±4) °C RH (30÷60)%
6	Water absorption in atmospheric pressure	БДС EN 13755:2008	%	3.60 ± 0.36	-	t (22±4) °C RH (30÷60)%
7	Proctor compaction				-	t (22±4) °C RH (30÷60)%
	Maximum dry density	БДС EN 13286-2:2011	Mg/m ³	2.18	-	t (22±4) °C RH (30÷60)%
	Optimal water content	БДС EN 13286-2:2011	%	4.8	-	t (22±4) °C RH (30÷60)%
8	California bearing ratio (CBR)				-	t (22±4) °C RH (30÷60)%
	California bearing ratio (CBR) penetration 2.5	БДС EN 13286-47:2012	%	35.9	-	t (22±4) °C RH (30÷60)%
	California bearing ratio (CBR) penetration 5.0	БДС EN 13286-47:2012	%	51.5	-	t (22±4) °C RH (30÷60)%

NOTES: I.TLD is not responsible for the accuracy of sampling, sample storage life and sample storage conditions preceding submission to the laboratory.

II. Annexes №1 and №2 are integral part of the test report

HEAD OF DEPARTMENT: 
/ eng. Valentin Tomov /DIRECTOR OF
TESTING LABORATORY DIRECTORATE: 
/ Yuliana Akraeva /

Annex № 1 to Report № 12712 / 21.05.2019

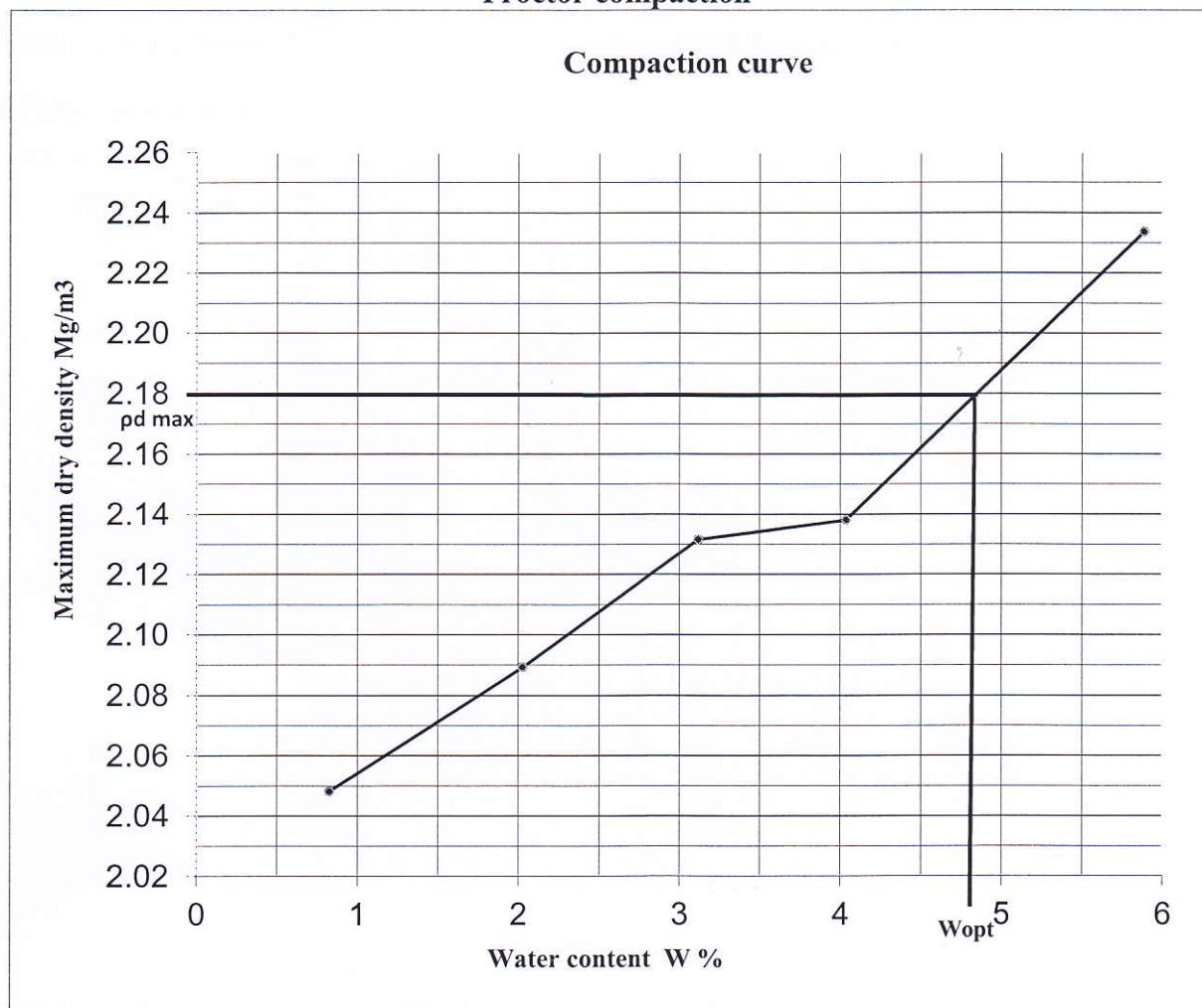
Customer: Vratza Stone Ltd

Object: Career Vratza Stone Ltd. area "Stanevi nivi"

Lab № 1904326

Sample № 1

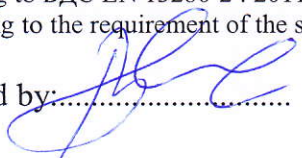
Maximum density at optimum water content Proctor compaction

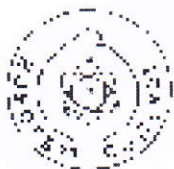


100% dry density ρ_{dmax}		2.18Mg/m ³	Optimum water content		4.8 %
Cylinder volume	Number of layers	Mass of rammer	Height of fall		Number of blows per layer
2122cm ³	5	4.5kg.	451mm.		56

Note:

1. The test for determining the optimum water content and standard density is done according to БДС EN 13286-2 : 2011
2. According to the requirement of the standard, the compaction energy is 2,7MJ/m³.

Complied by: 



Eurotest - Control EAD
Machine Testing
ul. Besarabia 108
Sofia 1517
Bulgaria

Enclosure certificate N°: 1904326

Date: 17/05/2019

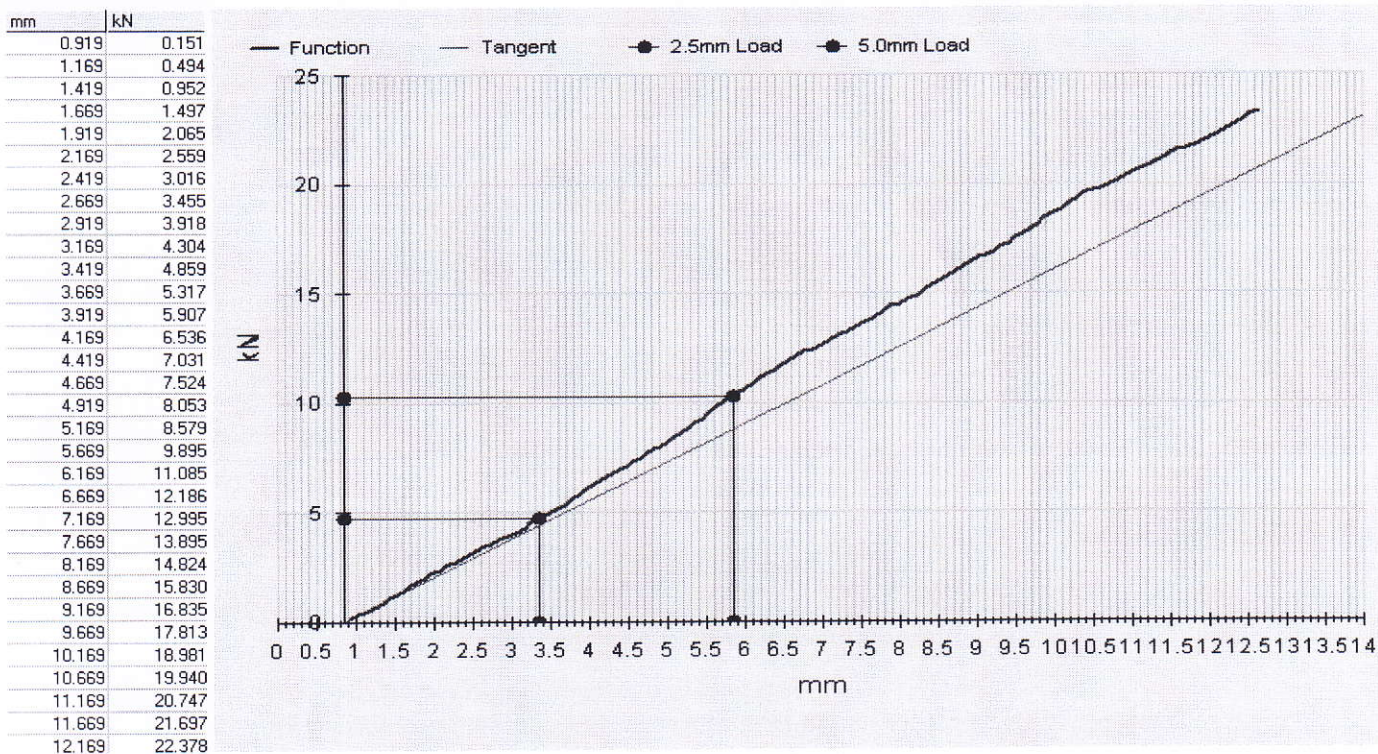
TYPE OF TEST:

Reference standard:

Indice CBR 2.5mm (%) 35.88

Indice CBR 5.0mm (%) 51.52

Graph load - penetration



Technician

Head of Laboratory