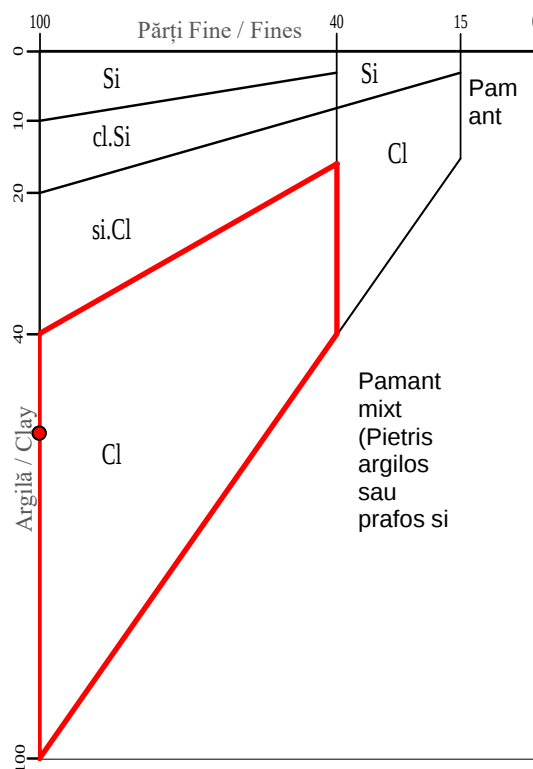
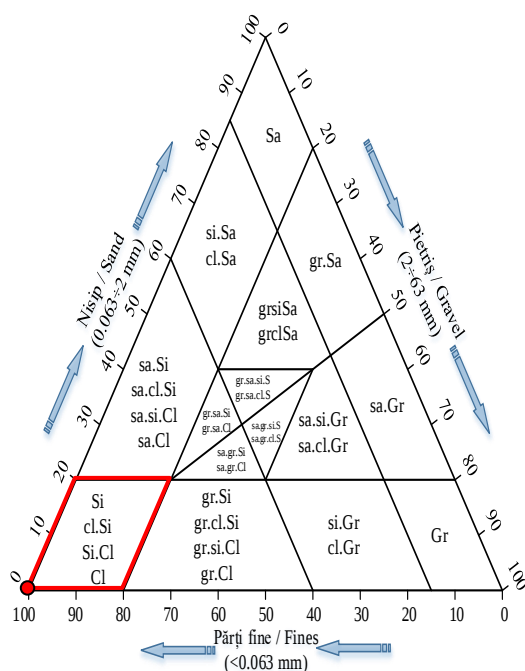


Amplasament / Location	Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
Forajul/Borehole:	POD 22
Proba/Sample:	PNT 17
Adancimea/Depth(m):	17,00-17,30

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	d (mm)	mp (%)
CERNERE	100	100.0
	100	100.0
	100	100.0
	100	100.0
	100	100.0
	100	100.0
	100	100.0
	90	100.0
	63	100.0
	45	100.0
	31.5	100.0
	22.4	100.0
	16	100.0
	11.2	100.0
	5.6	100.0
SEDIMENTARE	3.15	100.0
	2	100.0
	0.5	100.0
	0.25	100.0
	0.10	100.0
	0.063	100.0
	0.063	#####
	0.037	98.02
	0.027	96.43
	0.019	93.27
	0.014	90.11
	0.010	86.95
	0.008	80.62
	0.006	74.29
	0.004	67.97
	0.003	61.64
	0.002	55.32
	0.001	48.99



Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

Tip pamant / Soil group	Tip fractiune		%	C _u (Un)	C _c	Forma curbei granulometrice / Shape of grading curve	C _u (Un)	C _c
Pamant fin / Fine	Argila	Cl	54	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	46			Uniforma / Uniform		
Pamant grosier / Coarse	Nisip	Sa	0	3---6	< 1	Uniformitate medie / Medium uniformity		
	Pietris	Gr	0	6---15	< 1	Neuniforma / Non-uniform		
Pamant foarte grosier / Very coarse	Bolovanis	Co		>15	1---3	Discontinua/Gap graded		
				>15	<0,5			

Executat de / Performed by :
 ing. Nina IOSIF

Nina IOSIF

Sef Laborator / Laboratory head: Constanta ANDREI



COD PROBA 75 268

Raport de incercare nr. / Test report no. 75 270

DETERMINAREA REZISTENȚEI PAMANTURILOR LA FORFECARE PRIN ÎNCERCAREA DE

FORFECARE DIRECTĂ / DIRECT SHEAR TESTS

STAS 8942/2-82

TEST DE FORFECARE DIRECTĂ NE CONSOLIDATĂ NEDRENATĂ (FUU) /
UNCONSOLIDATED UNDRAINED DIRECT SHEAR TEST

viteza: 1.0
mm/min

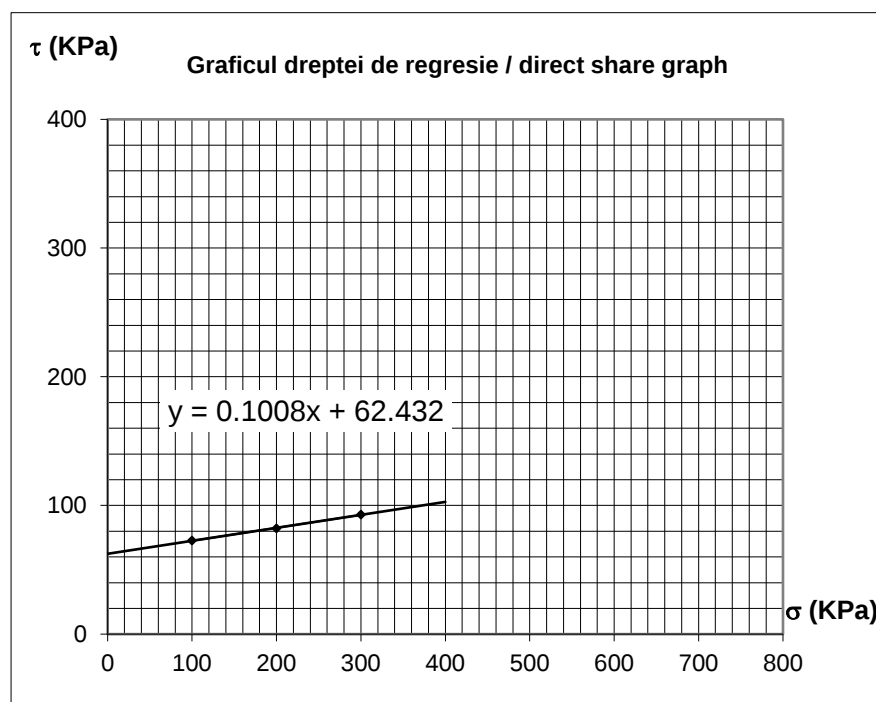
DESCRIEREA PROBEI /
DESCRIPTION OF SOIL: :

Argila grasa cenusie

plastic vartoasa / stiff
consistency

INDICI FIZICI AI MATERIALULUI / PHYSICAL INDEX OF SOIL			EPRUVETA 1		EPRUVETA 2		EPRUVETA 3		MEDIA
			INIȚIAL	FINAL	INIȚIAL	FINAL	INIȚIAL	FINAL	INIȚIAL
Umiditatea	w	%	22.57	19.09	21.35	22.56	21.29	20.19	21.74
Densitatea în stare umedă	r	(g/cm ³)	2.11		2.11		2.11		2.11
Densitatea în stare uscată	r _d	(g/cm ³)	1.72		1.74		1.74		1.73
Densitatea scheletului	r _s	(g/cm ³)	2.72		2.72		2.72		2.72
Porozitatea	n = (1 - ρ _d / ρ _s) · 100	%	36.81		36.03		36.10		36.31
Indicele porilor	e = n / (1 - n)		0.58		0.56		0.56		0.57
Gradul de Saturație	S _r = ρ _s · w / (e · ρ _w · 100)		1.00		1.00		1.00		1.00

SR EN ISO 14688/2-2018:



Natural /
Natural soil

Valori obținute /
Values obtained:

φ = 5° 45'

c = 62.4 kPa



SEF LABORATOR
LABORATORY HEAD

Constanta ANDREI

VALORILE MAXIME ALE EFORTURILOR DE RUPERE /
APPLIED NORMAL STRESS, MAXIMUM SHEAR STRESS

	epruveta 1	epruveta 2	epruveta 3
σ (kPa)	100	200	300
τ (kPa)	73	82	93

Data / Date: 07.12.2020

COD PROBA 75 270

Executat de/Performed by: ing.geol.