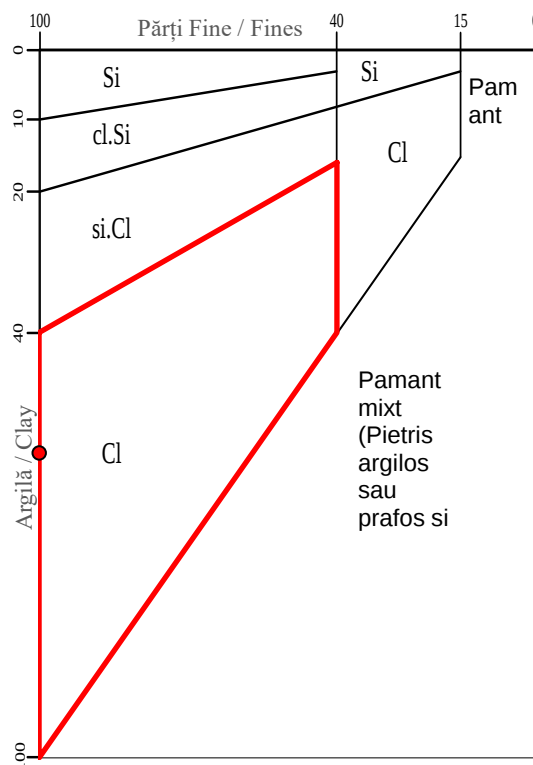
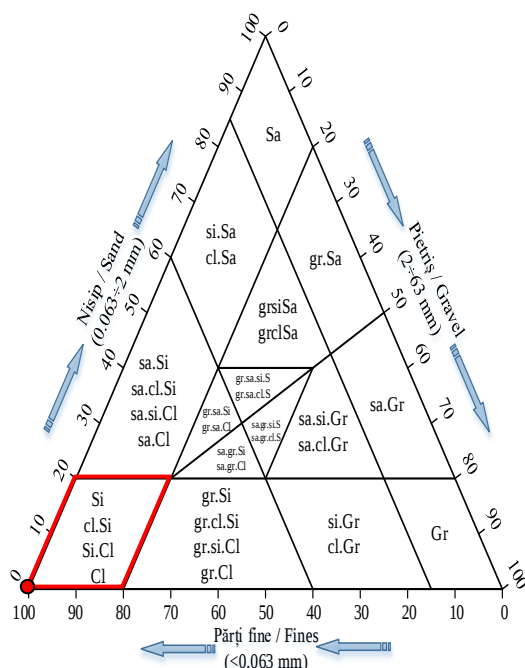


Amplasament / Location	Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
Forajul/Borehole:	POD 21
Proba/Sample:	PNT 22
Adancimea/Depth(m):	24,00-24,30

Raport de incercare nr. / Test report no.75 752

	d (mm)	mp (%)
CERNERE	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
	3,15	100,0
SEDIMENTARE	2	100,0
	0,5	100,0
	0,25	100,0
	0,10	100,0
	0,063	100,0
	0,063	99,98
	0,037	97,89
	0,027	96,31
	0,019	93,14
	0,014	89,98
	0,010	86,82
	0,008	82,07
	0,006	75,75
	0,004	69,42
	0,003	63,62
	0,002	57,83
	0,001	52,03



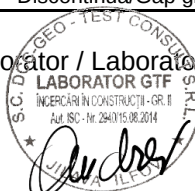
Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

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	57	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	43			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 75 752

Raport de incercare nr. / Test report no.75 753

**DETERMINAREA LIMITELOR DE PLASTICITATE /
DETERMINATION OF ATTEBERG LIMITS
STAS 1913/4-86**

Nr. de caderi ale cupei (N)	25	UMIDITATE NATURALA NATURAL MOISTURE STAS 1913/1-82			LIMITA DE CURGERE LIQUID LIMIT W _L %				LIMITA DE FRAMANTARE PLASTIC LIMIT W _P %		
Adancimea de patrundere a conului (S) mm	10				Metoda cu cupa						
					46	33	23	16			
PROBA UMEDA + TARA A (gr)		150,00			31,75	33,65	31,75	34,35	18,98	19,14	19,80
PROBA USCATA + TARA B (gr)		123,83			23,71	25,10	23,79	25,47	18,09	18,21	18,77
TARA C (gr)					12,98	14,00	13,76	14,57	14,43	14,32	14,60
A - B		26,17			8,04	8,55	7,96	8,88	0,88	0,92	1,02
B - C		123,83			10,73	11,10	10,03	10,90	3,66	3,89	4,17
W(%) = (A-B)/(B-C)*100		21,13			74,90	77,01	79,32	81,43	24,08	23,73	24,52
W(%) MEDIU		21,13			78,86				24,11		

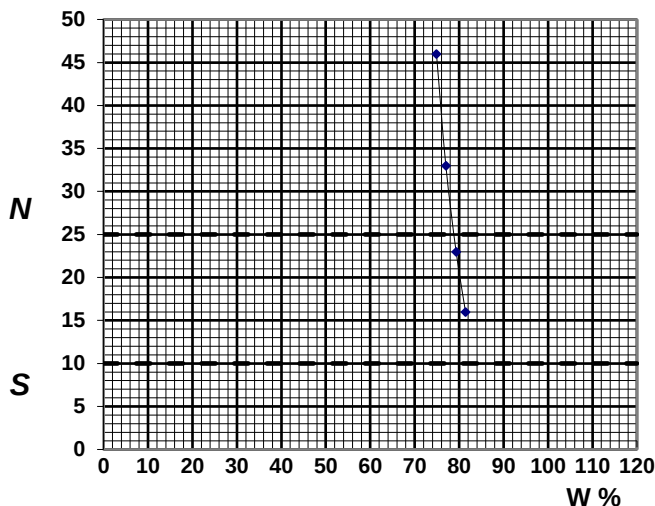
DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

Argila cenusie tare / very stiff consistency

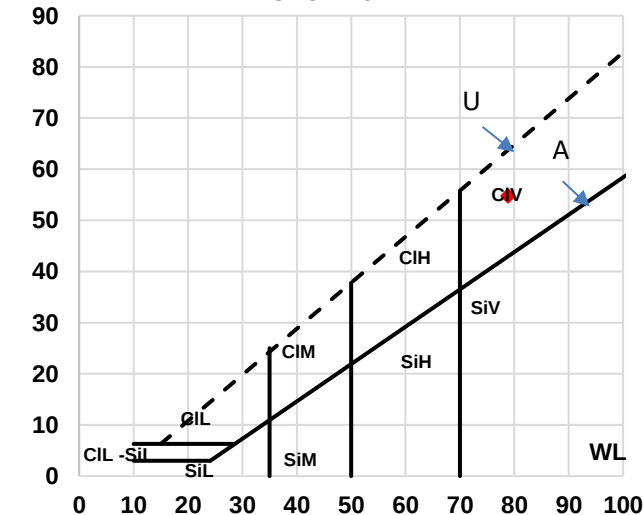
SR EN ISO 14688/1/2-2018 Pamant fin cu plasticitate foarte mare / Fine soil, very high plasticity

CIV

GRAFICUL LIMITEI SUPERIOARE DE PLASTICITATE
UPPER LIMIT OF PLASTICITY CHART



Ip
GRAFIC PLASTICITATE /
PLASTICITY CHART



SR EN ISO 14688/2-2018					SR EN ISO 14688/2-2018		
LIMITA DE FRAMANTARE / PLASTIC LIMIT	W _P =	24,11	%	Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit	
UMIDIT. NATUR. / NATURAL MOISTURE	W =	21,13	%	Cl Clay	Low	redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	78,86	%	Si Silt	Medium	medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _p =W _L -W _P	54,74	%		Heigh	mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _c = (W _L - W) / I _p	1,05			Very heigh	foarte mare	>70
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _l = (W - W _P) / I _p	-0,05			O	organici	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 16.12.2020

COD PROBA 75

753

Sef Laborator / Laboratory head: Constanta ANDREI



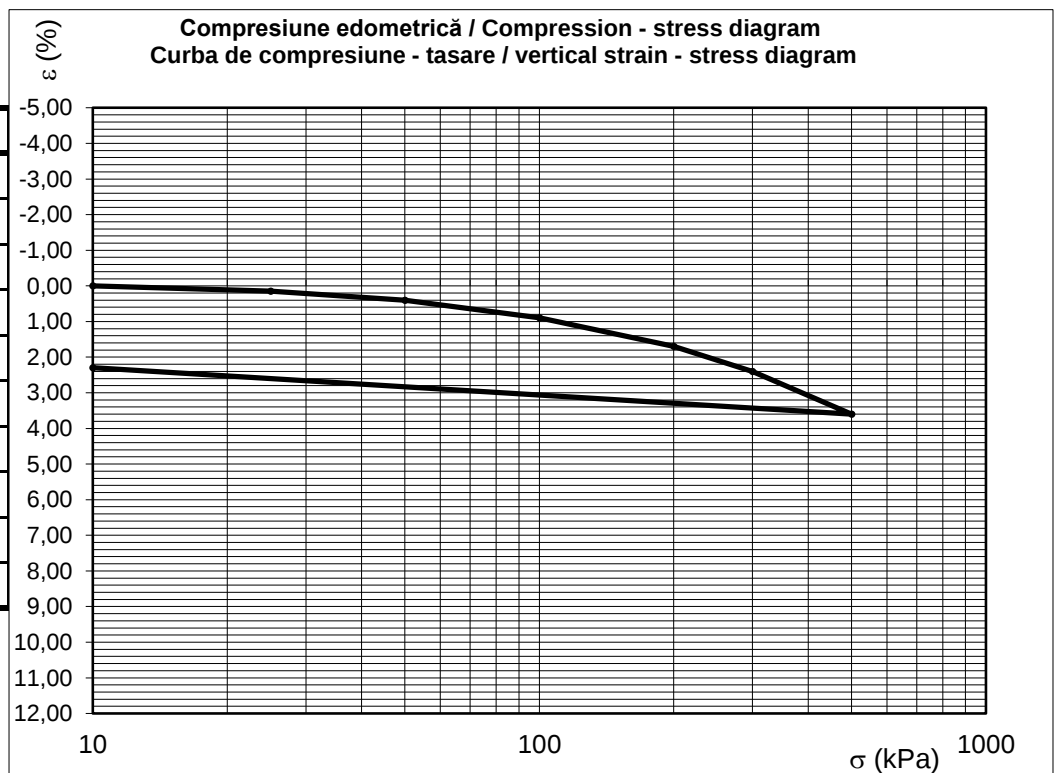
Raport de incercare nr. / Test report no.75 754

DETERMINAREA COMPRESIBILITATII PAMANTURILOR PRIN INCERCAREA IN EDMETRU

INCREMENTAL LOADING OEDOMETER TEST

STAS 8942/1-89

Indici fizici	INITIAL	FINAL
$m_u(g)$	157,79	157,15
$m_d(g)$	129,55	129,55
$V(cm^3)$	72,79	70,30
$w(%)$	21,80	21,30
$r(g/cm^3)$	2,17	2,24
$r_d(g/cm^3)$	1,78	1,84
$r_s(g/cm^3)$	2,72	2,72
$n(%)$	34,56	32,25
$e(-)$	0,528	0,476
$S(-)$	1,00	1,00



$s(kPa)$	$e(%)$	$M(kPa)$	$mv(1/kPa)$	$av(1/kPa)$
10	0,00			
25	0,15			
50	0,40			
100	0,90			
200	1,70			
300	2,40	14285,7	7,00E-05	1,07E-04
500	3,60	16666,7	6,00E-05	9,17E-05
10	2,30			

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

Argila cenusie

tare / very stiff consistency

Executat de / Performed by:

ing. Nina IOSIF

COD PROBA 75 754

Data / Date: 16.12.2020

SEF LABORATOR / LABORATORY HEAD

Constanta ANDREI

