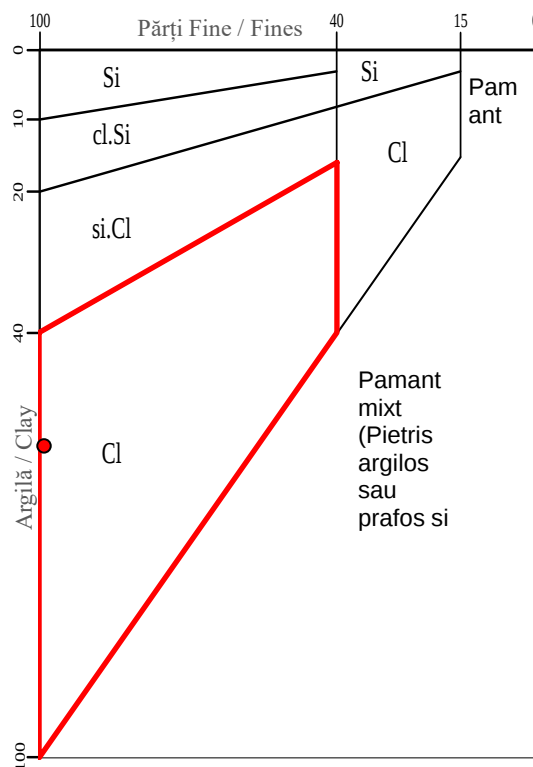
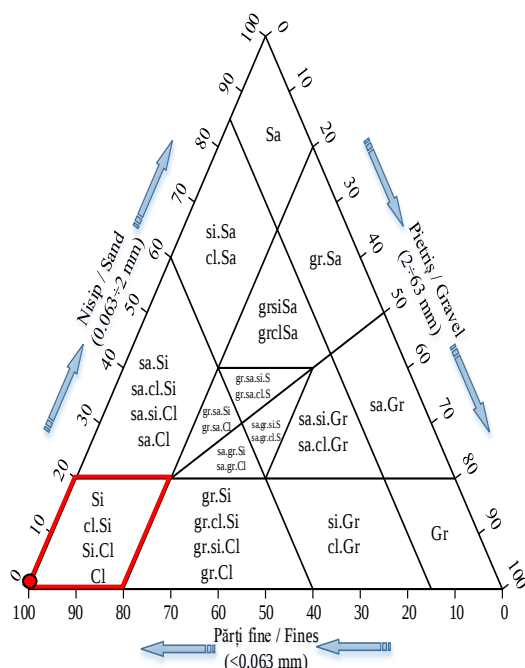


Amplasament / Location	Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
Forajul/Borehole:	FTS 63c
Proba/Sample:	PNT 2
Adancimea/Depth(m):	2,00

Raport de incercare nr. / Test report no. 75 1008

	d (mm)	mp (%)
	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
	2	100,0
	0,5	100,0
	0,25	100,0
	0,10	100,0
	0,063	99,4
	0,063	99,38
	0,038	96,63
	0,027	95,05
	0,019	92,41
	0,014	89,77
	0,010	87,14
	0,008	82,39
	0,006	76,07
	0,004	69,74
	0,003	63,42
	0,002	57,09
	0,001	50,77



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	56	<3	<1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	43			Uniforma / Uniform		
Pamant grosier / Coarse	Nisip	Sa	1	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 1008

Raport de incercare nr. / Test report no. 75 1009

**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						
					45	33	22	15			
PROBA UMEDA + TARA A (gr)		150,00			31,61	33,49	31,54	34,09	19,42	19,57	20,19
PROBA USCATA + TARA B (gr)		110,07			23,97	25,36	24,05	25,73	18,61	18,73	19,29
TARA C (gr)					13,64	14,66	14,42	15,23	15,09	14,98	15,26
A - B		39,93			7,63	8,13	7,49	8,35	0,80	0,83	0,90
B - C		110,07			10,33	10,70	9,63	10,50	3,53	3,76	4,04
W(%) = (A-B)/(B-C)*100		36,28			73,88	75,96	77,73	79,54	22,79	22,16	22,24
W(%) MEDIU		36,28			77,25				22,39		

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

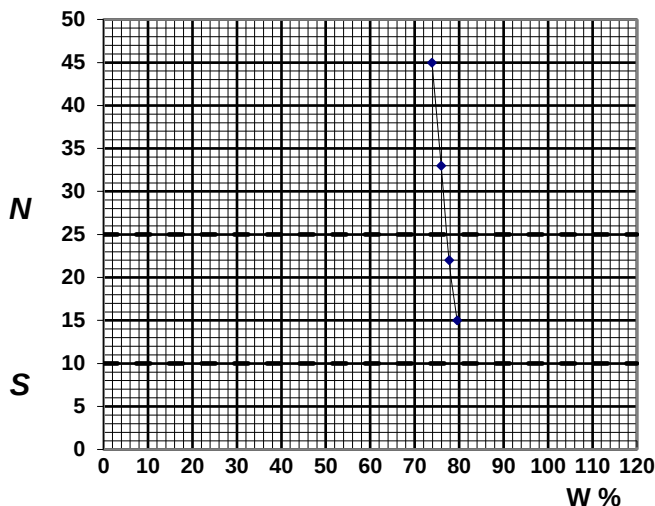
Argila cenusie cu MO plastic consistenta / firm
consistency

SR EN ISO 14688/1/2-2018

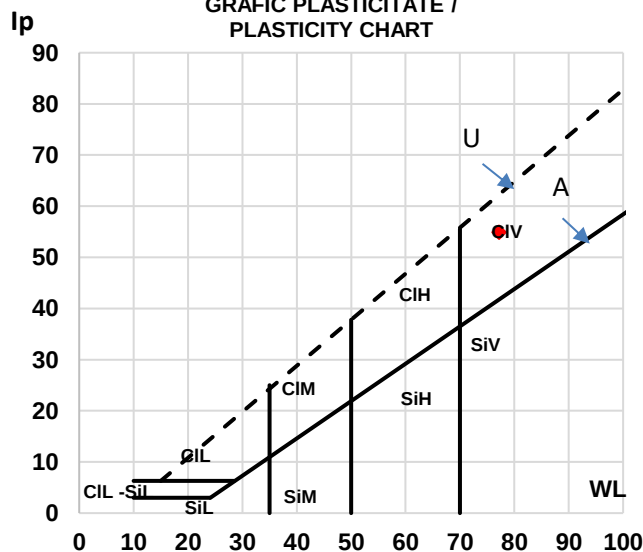
Pamant fin cu plasticitate foarte mare / Fine soil, very high plasticity

CIV

GRAFICUL LIMITEI SUPERIOARE DE PLASTICITATE
UPPER LIMIT OF PLASTICITY CHART



GRAFIC PLASTICITATE /
PLASTICITY CHART



					SR EN ISO 14688/2-2018		
LIMITA DE FRAMANTARE / PLASTIC LIMIT	W _P =	22,39	%		Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit
UMIDIT. NATUR. / NATURAL MOISTURE	W =	36,28	%		Cl Clay	Low redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	77,25	%		Si Silt	Medium medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	54,85	%			Heigh mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	0,75				Very heigh foarte mare	>70
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	0,25				O organig	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 17.12.2020

COD PROBA 75

1009

Sef Laborator / Laboratory head: Constanta ANDREI



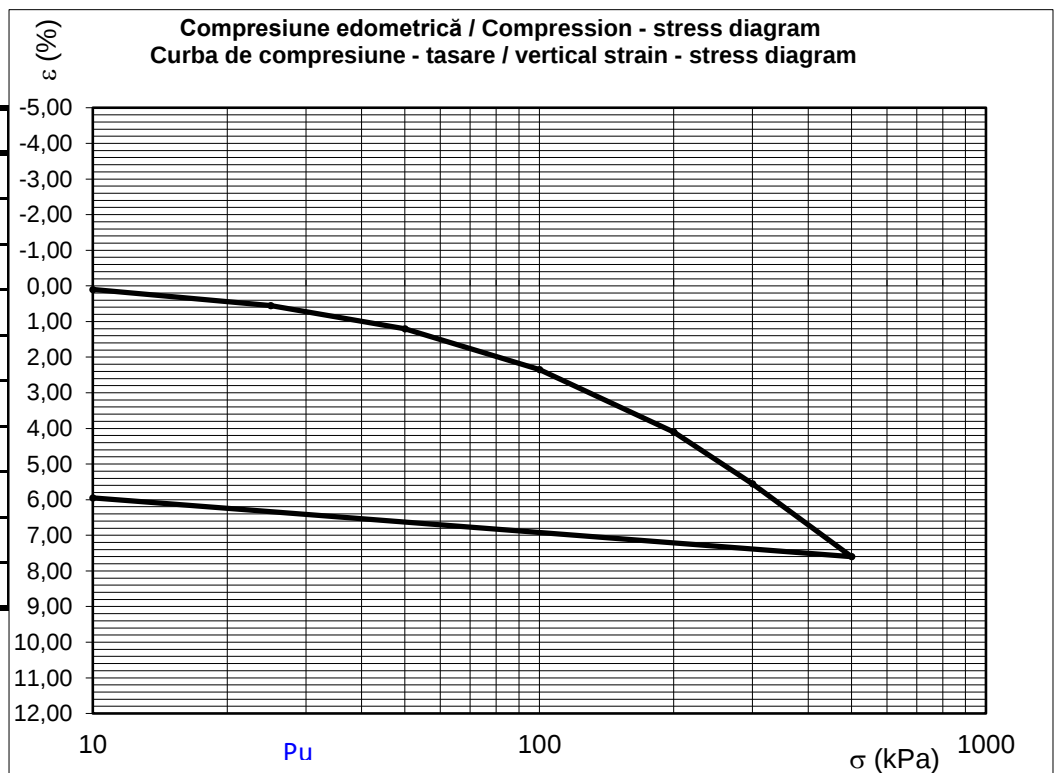
Raport de incercare nr. / Test report no. 75 1010

DETERMINAREA COMPRESIBILITATII PAMANTURILOR PRIN INCERCAREA IN EDOMETRU

INCREMENTAL LOADING OEDOMETER TEST

STAS 8942/1-89

Indici fizici	INITIAL	FINAL
$m_u(g)$	146,64	142,27
$m_d(g)$	108,39	108,39
$V(cm^3)$	76,31	71,07
$w(%)$	35,29	31,26
$r(g/cm^3)$	1,92	2,00
$r_d(g/cm^3)$	1,42	1,53
$r_s(g/cm^3)$	2,72	2,72
$n(%)$	47,78	43,93
$e(-)$	0,915	0,784
$S(-)$	1,00	1,00



$s(kPa)$	$e(%)$	$M(kPa)$	$mv(1/kPa)$	$av(1/kPa)$
10	0,10			
25	0,55			
50	1,20			
100	2,35			
200	4,10			
300	5,55	6896,6	1,45E-04	2,78E-04
500	7,60	9756,1	1,03E-04	1,96E-04
10	5,95			

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

Argila cenusie cu MO

plastic consistenta / firm consistency

Executat de / Performed by:

ing. Nina IOSIF

COD PROBA 75 1010

Data / Date: 17.12.2020

SEF LABORATOR / LABORATORY HEAD

Constanta ANDREI

