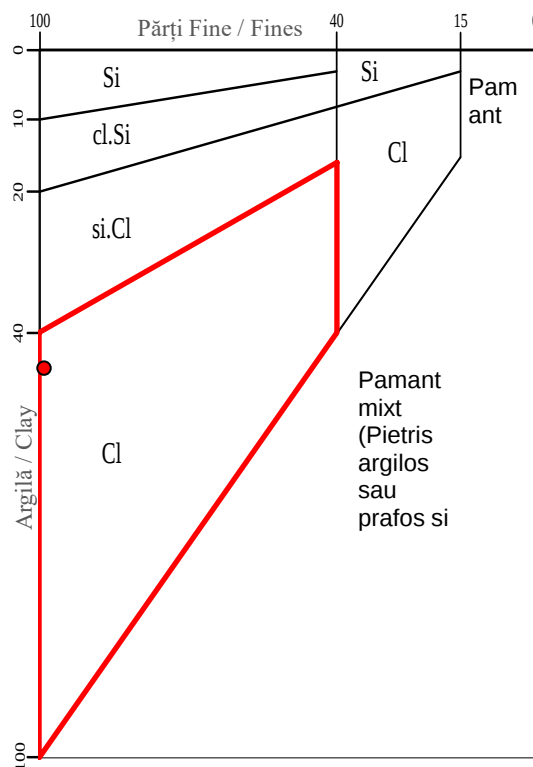
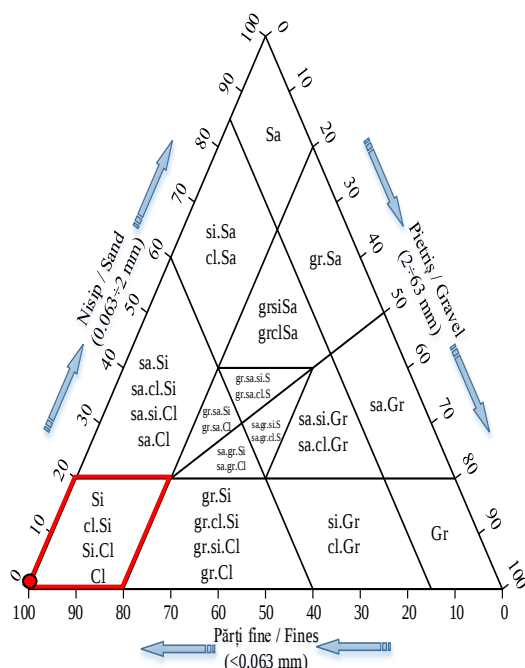


Amplasament / Location	Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
Forajul/Borehole:	FTS 76
Proba/Sample:	PNT 2
Adancimea/Depth(m):	2,00

Raport de incercare nr. / Test report no. 75 1038

	d (mm)	p (%)
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	98,9
	0,063	98,86
	0,037	96,82
	0,027	95,24
	0,019	93,13
	0,014	91,03
	0,010	88,92
	0,007	84,17
	0,006	76,27
	0,004	66,78
	0,003	57,29
	0,002	47,80
	0,001	38,31



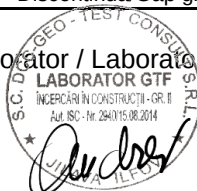
Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

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	45	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	54			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 1038

Raport de incercare nr. / Test report no. 75 1039

**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						
					44	33	23	15			
PROBA UMEDA + TARA A (gr)		150,00			30,28	32,25	30,34	32,94	18,23	18,38	19,00
PROBA USCATA + TARA B (gr)		121,07			22,66	24,05	22,74	24,42	17,36	17,48	18,04
TARA C (gr)					12,41	13,43	13,19	14,00	13,86	13,75	14,03
A - B		28,93			7,61	8,20	7,59	8,51	0,87	0,90	0,97
B - C		121,07			10,26	10,63	9,56	10,43	3,50	3,73	4,01
W(%) = (A-B)/(B-C)*100		23,90			74,25	77,13	79,46	81,64	24,77	24,22	24,10
W(%) MEDIU		23,90			78,99				24,37		

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

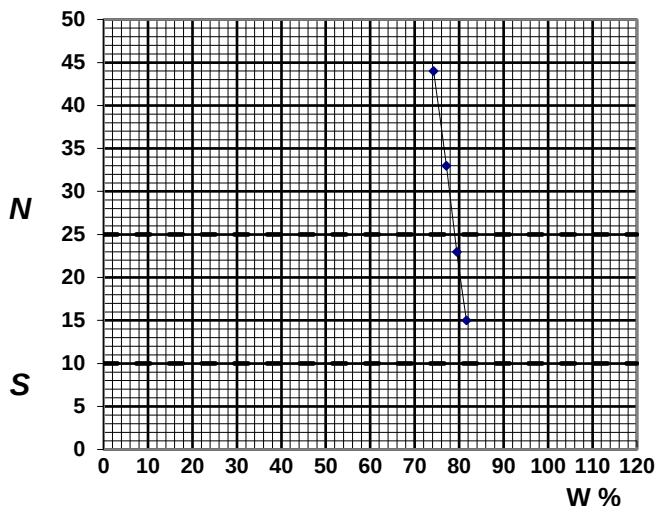
Argila cenusie cu FeO si concretiuni calcaroase tare / very stiff consistency

SR EN ISO 14688/1/2-2018

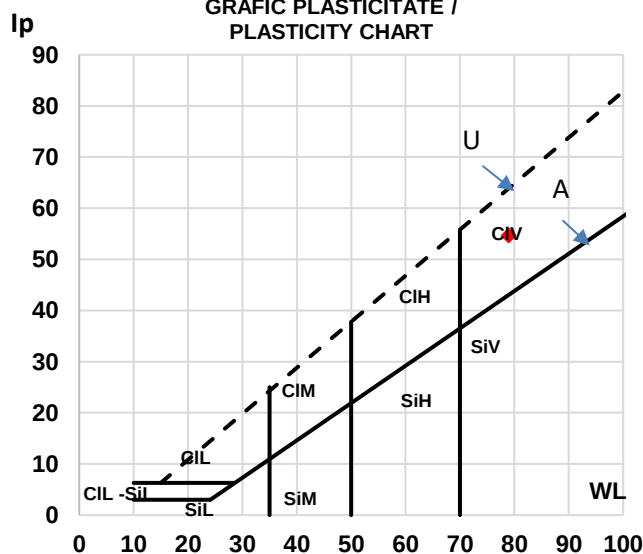
Pamant fin cu plasticitate foarte mare / Fine soil, very high plasticity

CIV

GRAFICUL LIMITEI SUPERIOARE DE PLASTICITATE
UPPER LIMIT OF PLASTICITY CHART



GRAFIC PLASTICITATE /
PLASTICITY CHART



					SR EN ISO 14688/2-2018		
LIMITA DE FRAMANTARE / PLASTIC LIMIT	W _P =	24,37	%		Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit
UMIDIT. NATUR. / NATURAL MOISTURE	W =	23,90	%		Cl Clay	Low redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	78,99	%		Si Silt	Medium medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	54,63	%			Heigh mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	1,01				Very heigh mare	>70
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	-0,01				O organig	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 17.12.2020

COD PROBA 75

1039

Sef Laborator / Laboratory head: Constanta ANDREI



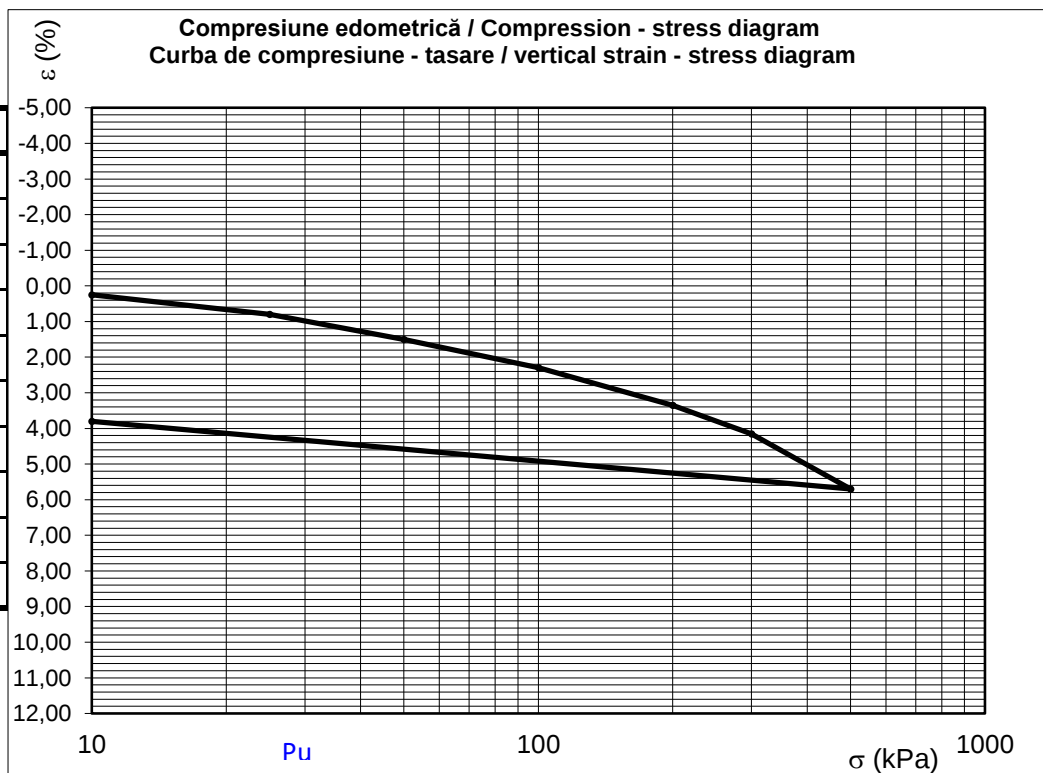
Raport de incercare nr. / Test report no. 75 1040

DETERMINAREA COMPRESIBILITATII PAMANTURILOR PRIN INCERCAREA IN EDOMETRU

INCREMENTAL LOADING OEDOMETER TEST

STAS 8942/1-89

Indici fizici	INITIAL	FINAL
$m_u(g)$	151,60	150,87
$m_d(g)$	123,06	123,06
$V(cm^3)$	76,97	72,54
$w(%)$	23,19	22,60
$r(g/cm^3)$	1,97	2,08
$r_d(g/cm^3)$	1,60	1,70
$r_s(g/cm^3)$	2,72	2,72
$n(%)$	41,22	37,63
$e(-)$	0,701	0,603
$S(-)$	0,90	1,00



$s(kPa)$	$e(%)$	$M(kPa)$	$mv(1/kPa)$	$av(1/kPa)$
10	0,25			
25	0,80			
50	1,50			
100	2,30			
200	3,35			
300	4,15	12500,0	8,00E-05	1,36E-04
500	5,70	12903,2	7,75E-05	1,32E-04
10	3,80			

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

Argila cenusie cu FeO si concretiuni calcaroase

tare / very stiff consistency

Executat de / Performed by:

ing. Nina IOSIF

COD PROBA 75 1040

Data / Date: 17.12.2020

SEF LABORATOR / LABORATORY HEAD

Constanta ANDREI

