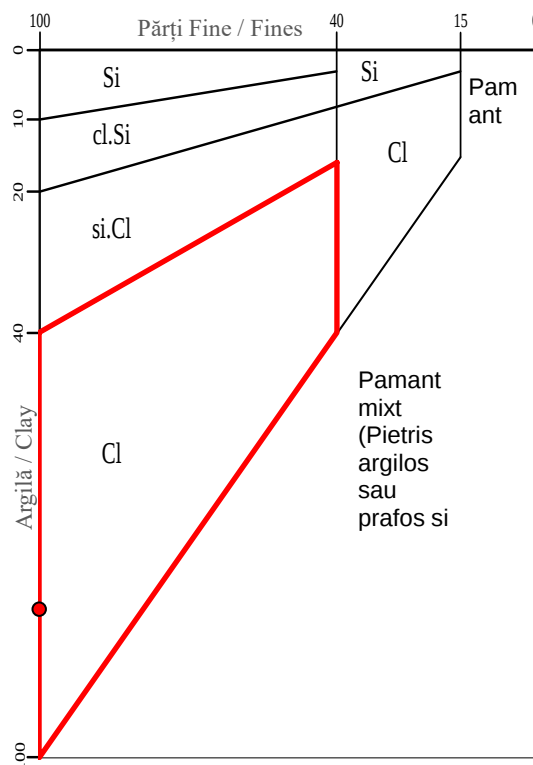
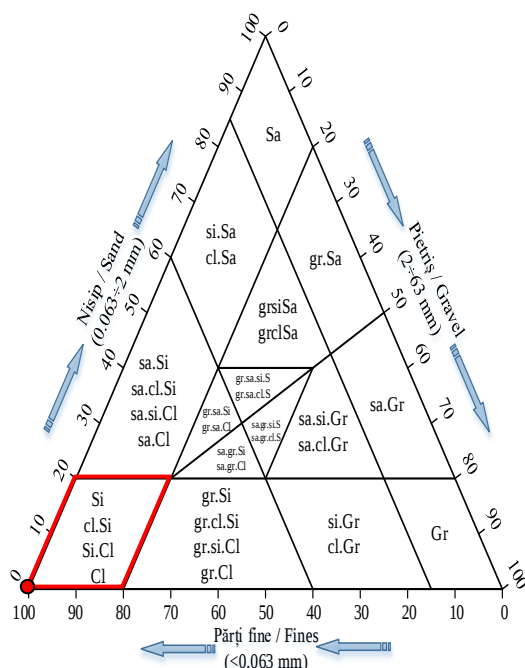


Amplasament / Location	Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
Forajul/Borehole:	POD 20
Proba/Sample:	PT 4
Adancimea/Depth(m):	4,00

Raport de incercare nr. / Test report no. 75 343

	d (mm)	mp (%)
CERNERE	100	100,0
CERNERE	100	100,0
CERNERE	100	100,0
CERNERE	100	100,0
CERNERE	100	100,0
CERNERE	100	100,0
CERNERE	90	100,0
CERNERE	63	100,0
CERNERE	45	100,0
CERNERE	31,5	100,0
CERNERE	22,4	100,0
CERNERE	16	100,0
CERNERE	11,2	100,0
CERNERE	5,6	100,0
CERNERE	3,15	100,0
CERNERE	2	100,0
CERNERE	0,5	100,0
CERNERE	0,25	100,0
CERNERE	0,10	100,0
CERNERE	0,063	100,0
SEDIMENTARE	0,063	#####
SEDIMENTARE	0,037	99,53
SEDIMENTARE	0,026	97,95
SEDIMENTARE	0,019	96,90
SEDIMENTARE	0,013	95,84
SEDIMENTARE	0,010	94,79
SEDIMENTARE	0,007	93,21
SEDIMENTARE	0,005	90,04
SEDIMENTARE	0,004	86,88
SEDIMENTARE	0,003	82,66
SEDIMENTARE	0,002	78,45
SEDIMENTARE	0,001	74,23



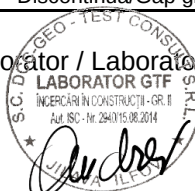
Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

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	79	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	21			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 75 343

Raport de incercare nr. / Test report no. 75 344

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	23	15			
PROBA UMEDA + TARA A (gr)		150,00			33,93	35,89	33,83	36,57	20,52	20,71	21,38
PROBA USCATA + TARA B (gr)		103,36			24,70	26,09	24,78	26,46	19,48	19,60	20,16
TARA C (gr)					14,58	15,60	15,36	16,17	16,03	15,92	16,20
A - B		46,64			9,23	9,80	9,05	10,11	1,04	1,10	1,22
B - C		103,36			10,12	10,49	9,42	10,29	3,45	3,68	3,96
W(%) = (A-B)/(B-C)*100		45,12			91,21	93,42	96,05	98,18	30,18	29,97	30,69
W(%) MEDIU		45,12			95,52				30,28		

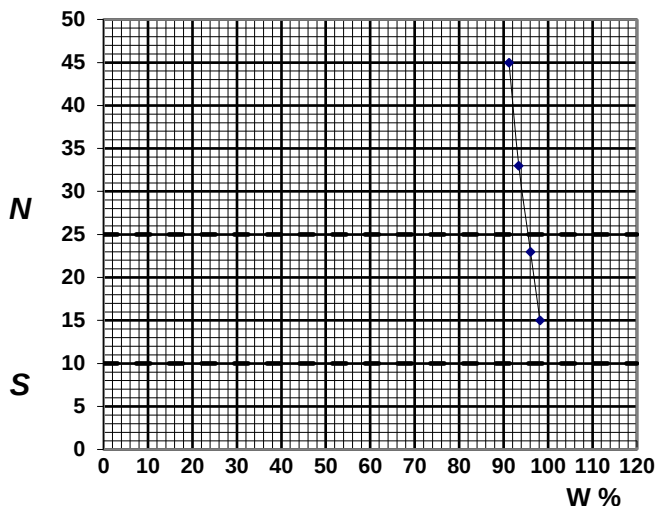
DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

Argila negricioasa cu FeO si rar pietris plastic vartoasa / stiff consistency

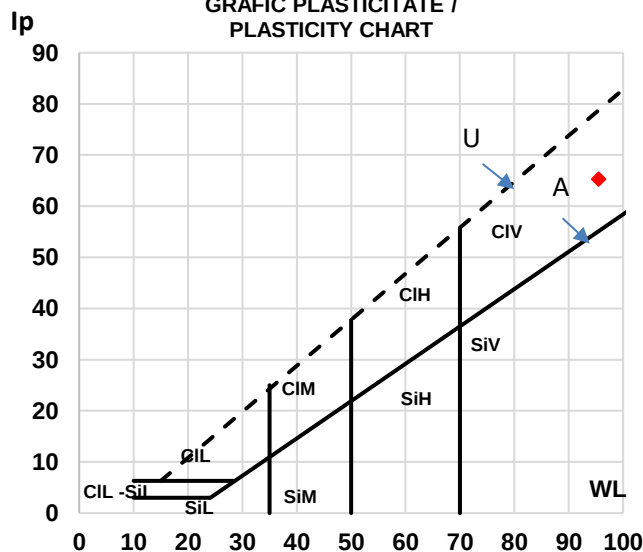
SR EN ISO 14688/1/2-2018 Pamant fin cu plasticitate foarte mare / Fine soil, very high plasticity

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 =	30,28	%	Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit	
UMIDIT. NATUR. / NATURAL MOISTURE	W =	45,12	%	Cl Clay	Low	redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	95,52	%	Si Silt	Medium	medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	65,24	%		Heigh	mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	0,77			Very heigh	foarte mare	>70
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	0,23			O	organici	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 15.12.2020

COD PROBA 75

344

Sef Laborator / Laboratory head: Constanta ANDREI

