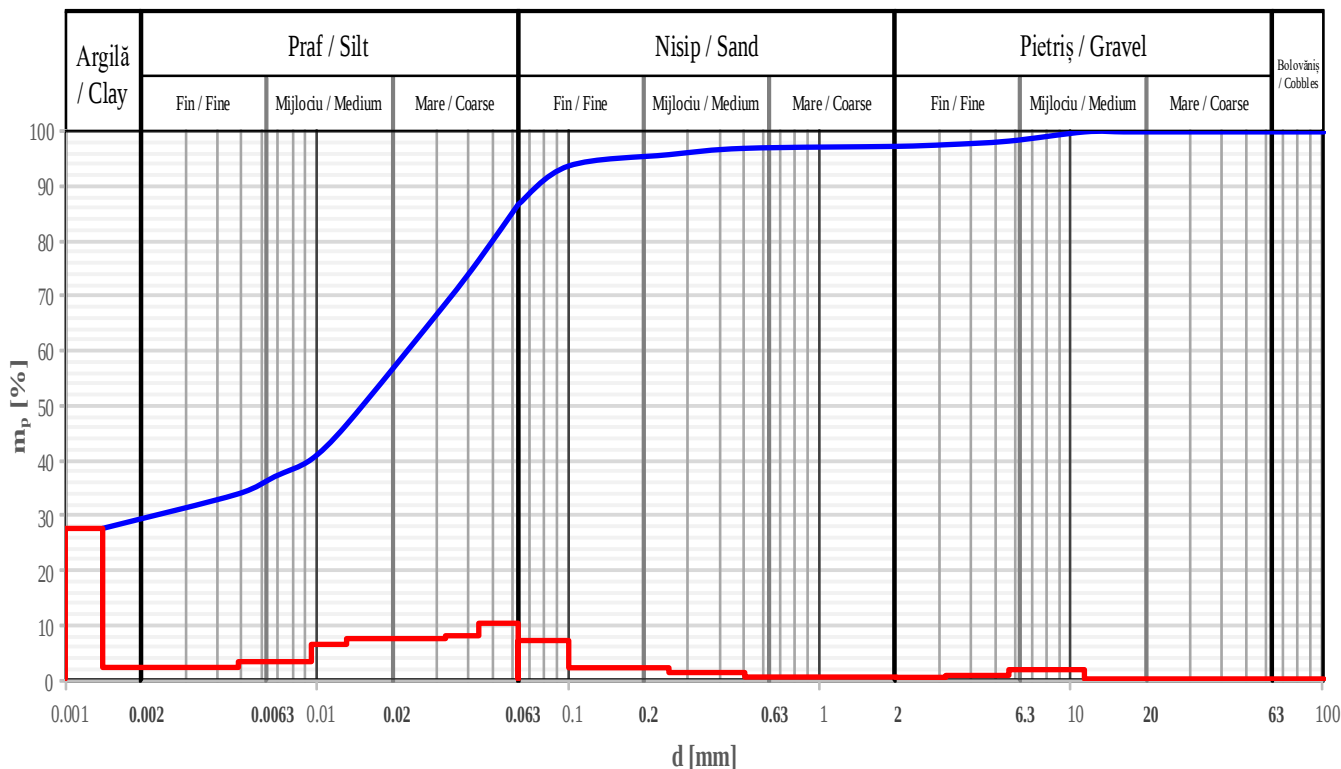


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: FTN 46
 Proba/Sample: PT 3
 Adancimea/Depth(m): 3,00

Raport de incercare nr. / Test report no.75 1123



Curba granulometrica / Granulometric curve

Identificarea si clasificarea pamanturilor SR EN ISO 14688/2-2018 / SR EN ISO 14688/2-2018 / STAS 1913/5-85											
Argila prafoasa / Silty clay (Si.Cl)								galbuie		Un = #N/A	
Conform SR EN ISO 14688/2- 2005, la cerinta beneficiar ului	Pamant fin / Fine				Pamant grosier / Coarse						Pamant foarte grosier / Very coarse
	Argila (CI)	Praef (Si)			Nisip (Sa)			Pietris (Gr)			Bolovanis (Co)
		Fin (fSi)	Mediu (mS)	Mare (cSi)	Fin (fSa)	Mediu (mSa)	Mare (cSa)	Fin (fGr)	Mediu (mGr)	Mare (cGr)	
	29	58			10			3			0
	< 0,002	< 0,0063	< 0,02	< 0,063	< 0,2	< 0,63	< 2	< 6,3	< 20	< 63	< 200mm
%	29	7	21	30	8	2	0	2	1	0	0

CLASIFICAREA PAMANTURILOR /SR Pamant fin / Fine soil
 EN ISO 14688/2-2018 / SR EN ISO 14688/2-2018 #N/A

Executat de / Performed by:
 ing. Nina IOSIF

Nina IOSIF

Sef Laborator / Laboratory head: Constanta ANDREI

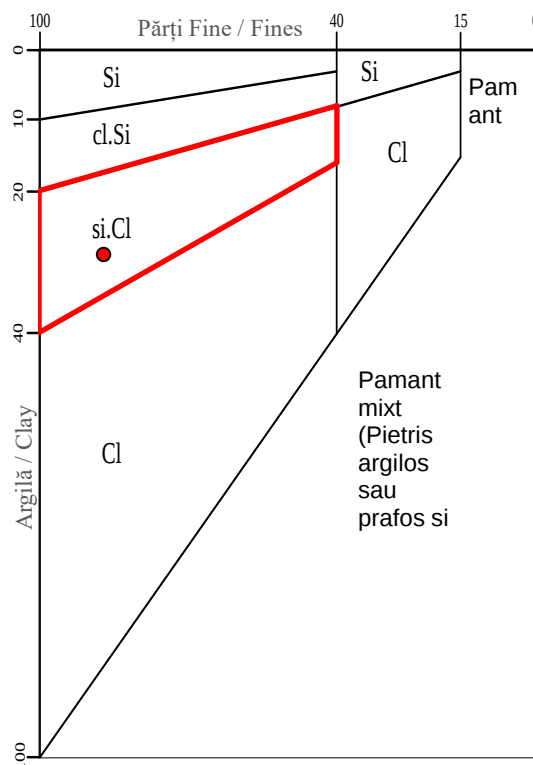
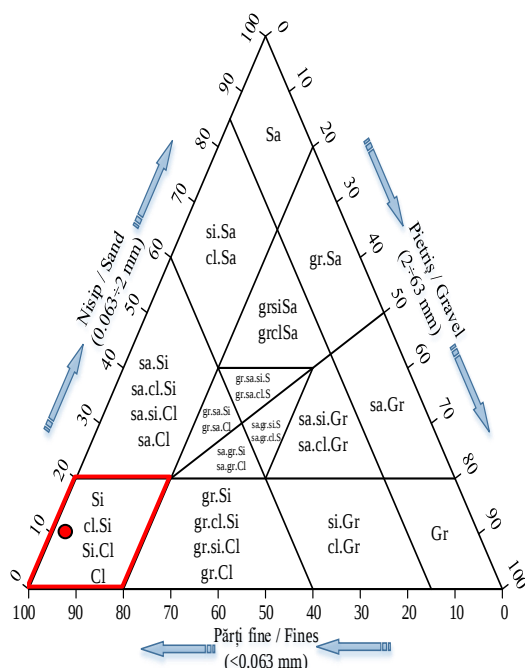


Data / Date: 13.01.2021

COD PROBA 75 1123

Raport de incercare nr. / Test report no.75 1123

	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	98,3
	3,15	97,7
SEDIMENTARE	2	97,4
	0,5	97,0
	0,25	95,8
	0,10	93,8
	0,063	86,7
	0,063	86,74
	0,044	76,53
	0,032	68,63
	0,024	61,25
	0,017	53,87
	0,013	46,49
	0,010	40,16
	0,007	37,00
	0,005	33,84
	0,003	31,73
	0,002	29,62
	0,001	27,51



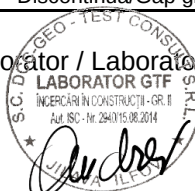
Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

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	29				
	Praf	Si	58				
Pamant grosier / Coarse	Nisip	Sa	10				
	Pietris	Gr	3				
Pamant foarte grosier / Very coarse	Bolovanis	Co					

Executat de / Performed by :
 ing. Nina IOSIF

Nina IOSIF

Sef Laborator / Laboratory head: Constanta ANDREI



COD PROBA 75 1123

Raport de incercare nr. / Test report no.75 1124

**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						
					42	32	21	14			
PROBA UMEDA + TARA A (gr)		150,00			25,37	27,17	25,66	27,97	16,29	16,47	17,06
PROBA USCATA + TARA B (gr)		135,47			21,35	22,74	21,43	23,11	15,80	15,92	16,48
TARA C (gr)					10,73	11,75	11,51	12,32	12,18	12,07	12,35
A - B		14,53			4,03	4,43	4,23	4,86	0,49	0,54	0,58
B - C		135,47			10,62	10,99	9,92	10,79	3,62	3,85	4,13
W(%) = (A-B)/(B-C)*100		10,73			37,90	40,29	42,60	45,01	13,49	14,12	14,04
W(%) MEDIU		10,73			41,76				13,88		

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

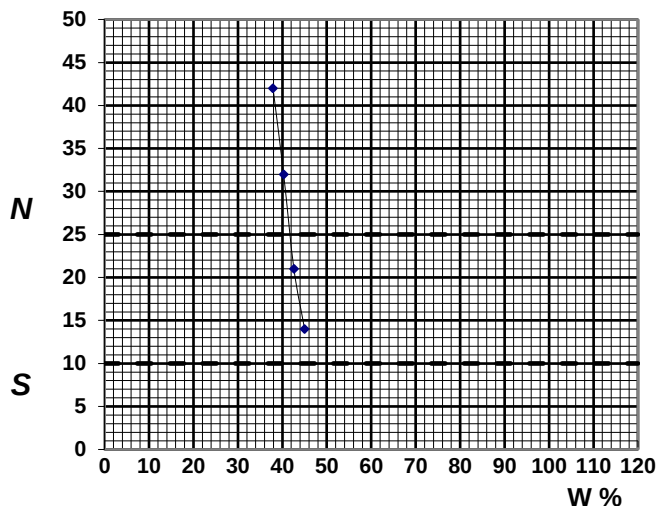
Argila prafoasa galbuie cu calcar degradat tare

SR EN ISO 14688/1/2-2018

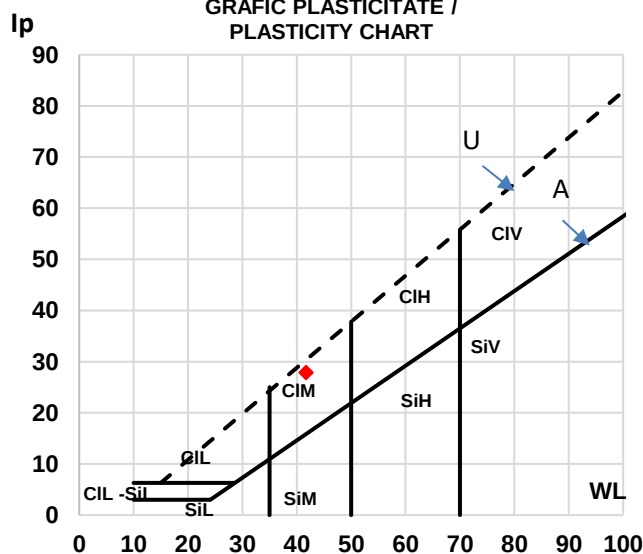
Pamant fin cu plasticitate medie / Fine soil, medium plasticity

CIM

GRAFICUL LIMITEI SUPERIOARE DE PLASTICITATE
UPPER LIMIT OF PLASTICITY CHART



GRAFIC PLASTICITATE /
PLASTICITY CHART



SR EN ISO 14688/2-2018					SR EN ISO 14688/2-2018		
LIMITA DE FRAMANTARE / PLASTIC LIMIT	W _P =	13,88	%	Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit	
UMIDIT. NATUR. / NATURAL MOISTURE	W =	10,73	%	Cl Clay	Low	redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	41,76	%	Si Silt	Medium	medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	27,87	%		Heigh	mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	1,11			Very heigh	foarte mare	>70
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	-0,11			O	organici	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 13.01.2021

COD PROBA 75

1124

Sef Laborator / Laboratory head: Constanta ANDREI

