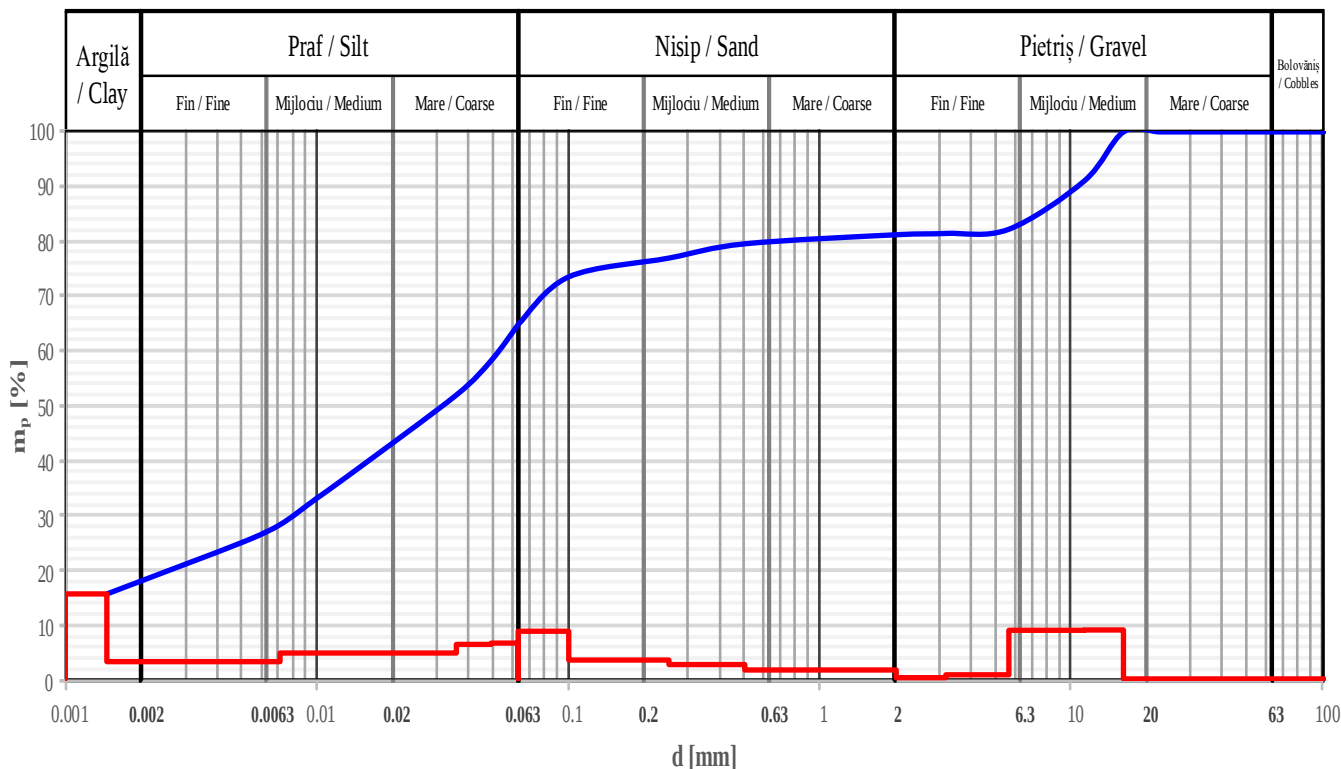


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: FTN 48
 Proba/Sample: PT 2
 Adancimea/Depth(m): 2,00

Raport de incercare nr. / Test report no.75 1109



Curba granulometrica / Granulometric curve

Identificarea și clasificarea pământurilor SR EN ISO 14688/2-2018 / SR EN ISO 14688/2-2018 / STAS 1913/5-85											
Argila prafoasă / Silty clay (Si.Cl)				cafenie-galbuie				Un = #N/A			
Conform SR EN ISO 14688/2-2005, la cerința beneficiarului	Pământ fin / Fine				Pământ grosier / Coarse						Pământ foarte grosier / Very coarse
Argila (CI)	Praful (Si)			Nisip (Sa)			Pietriș (Gr)			Bolovanis (Co)	
	Fin (fSi)	Mediu (mS)	Mare (cSi)	Fin (fSa)	Mediu (mSa)	Mare (cSa)	Fin (fGr)	Mediu (mGr)	Mare (cGr)		
	17	48		16			19			0	
	< 0,002	< 0,0063	< 0,02	< 0,063	< 0,2	< 0,63	< 2	< 6,3	< 20	< 63	< 200mm
%	17	10	16	22	11	4	1	2	17	0	0

CLASIFICAREA PĂMÂNTURILOR /SR Pământ 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

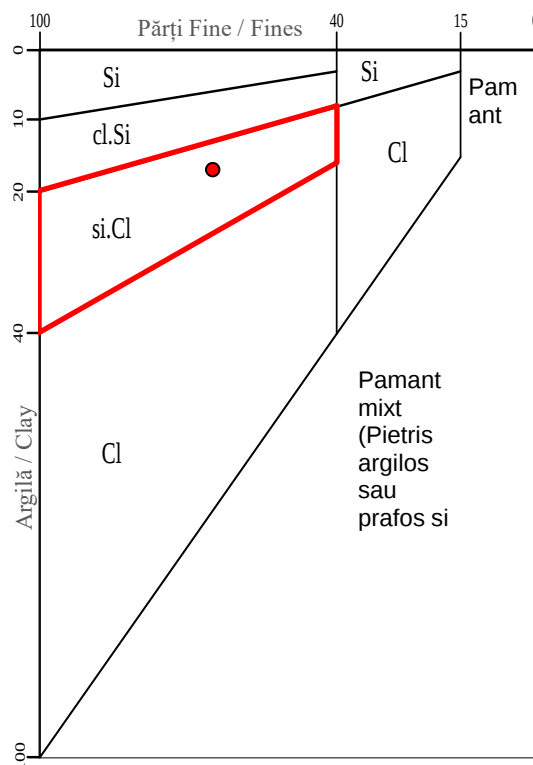
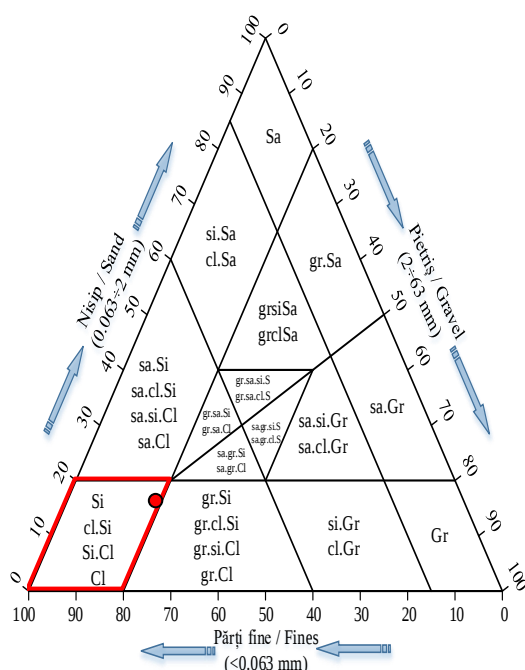


Data / Date: 13.01.2021

COD PROBA 75 1109

Raport de incercare nr. / Test report no.75 1109

	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	91,1
	5,6	82,2
SEDIMENTARE	3,15	81,4
	2	81,2
	0,5	79,5
	0,25	76,9
	0,10	73,5
	0,063	64,8
	0,063	64,80
	0,049	58,24
	0,036	51,91
	0,026	47,17
	0,019	42,42
	0,014	37,68
	0,010	32,93
	0,007	28,19
	0,005	25,03
	0,004	21,86
	0,003	18,70
	0,001	15,54



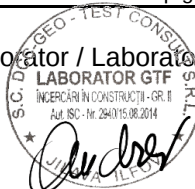
Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

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	17	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	48			Uniforma / Uniform		
Pamant grosier / Coarse	Nisip	Sa	16	3---6	< 1	Uniformitate medie / Medium uniformity		
	Pietris	Gr	19	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 1109

Raport de incercare nr. / Test report no.75 1110

**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						
					41	31	21	12			
PROBA UMEDA + TARA A (gr)		150,00			24,31	26,12	24,68	26,93	16,29	16,45	17,06
PROBA USCATA + TARA B (gr)		123,57			21,12	22,51	21,20	22,88	15,75	15,87	16,43
TARA C (gr)					10,77	11,79	11,55	12,36	12,22	12,11	12,39
A - B		26,43			3,19	3,61	3,48	4,05	0,54	0,58	0,63
B - C		123,57			10,35	10,72	9,65	10,52	3,53	3,76	4,04
W(%) = (A-B)/(B-C)*100		21,39			30,85	33,68	36,02	38,46	15,34	15,48	15,58
W(%) MEDIU		21,39			35,08				15,46		

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

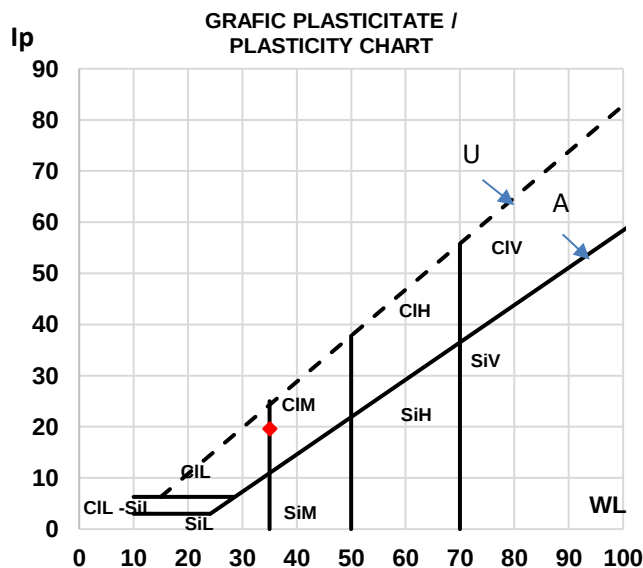
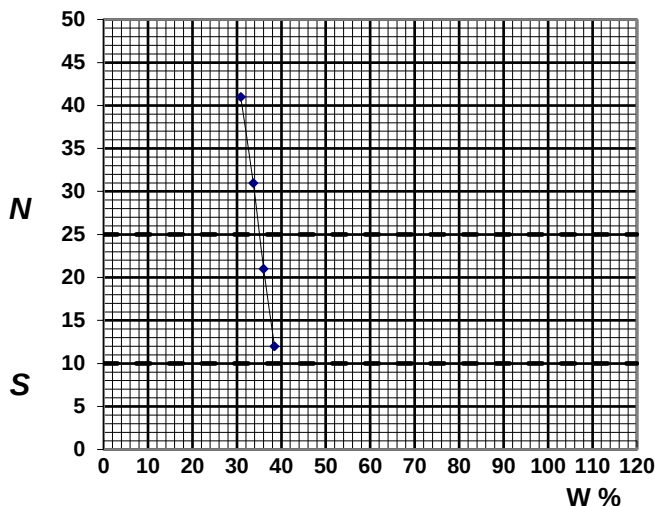
Nisip argilos cafeniu-galbui cu pietris mic plastic consistent / firm
consistency

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



					SR EN ISO 14688/2-2018		
LIMITA DE FRAMANTARE / PLASTIC LIMIT	W _P =	15,46	%	Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit	
UMIDIT. NATUR. / NATURAL MOISTURE	W =	21,39	%	Cl Clay	Low	redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	35,08	%	Si Silt	Medium	medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	19,62	%		Heigh	mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	0,70			Very	foarte	
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	0,30			heigh	mare	>70
					O	organice	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 13.01.2021

COD PROBA 75

1110

Sef Laborator / Laboratory head: Constanta ANDREI

