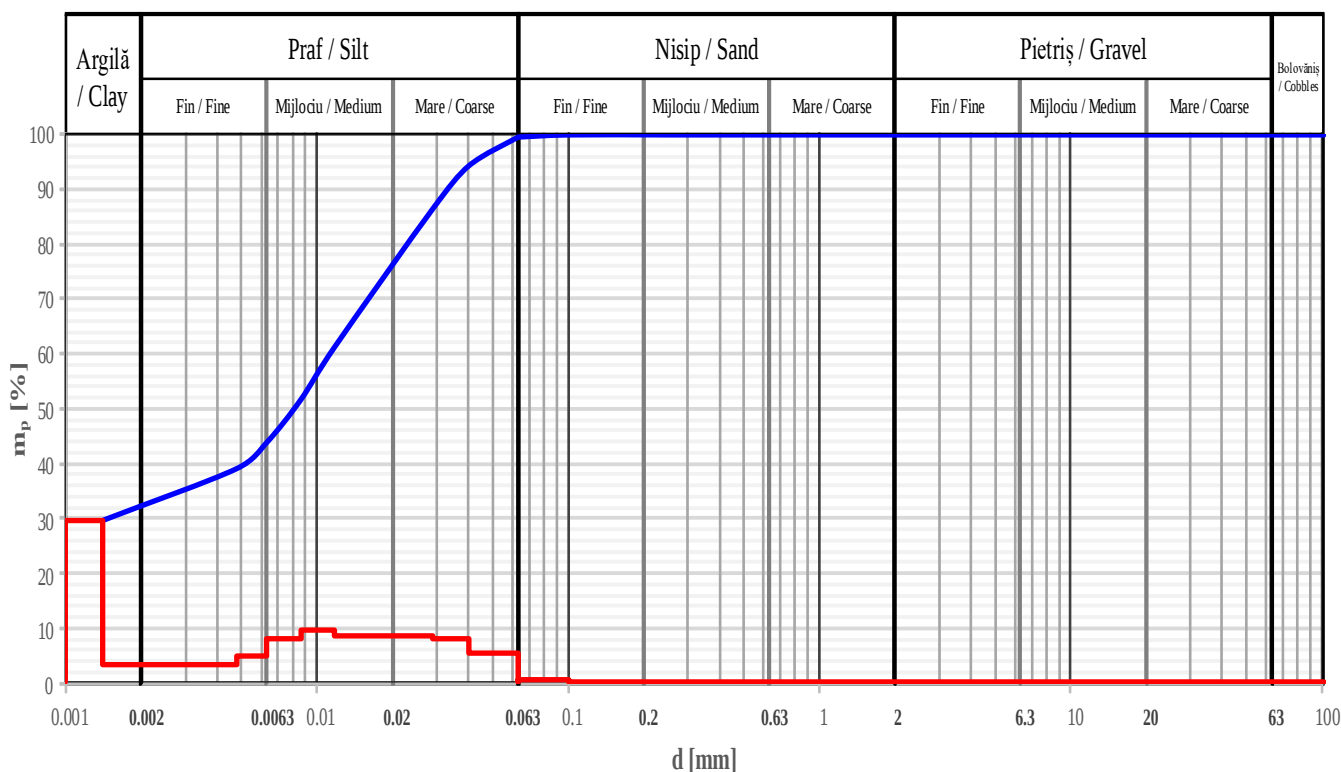


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: FTS 64f
 Proba/Sample: PT 3
 Adancimea/Depth(m): 3,00

Raport de incercare nr. / Test report no.75 1234



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)								cafenie		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)	Praf (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)	
	31	69			0			0			0
	< 0,002	< 0,0063	< 0,02	< 0,063	< 0,2	< 0,63	< 2	< 6,3	< 20	< 63	< 200mm
%	31	13	32	24	0	0	0	0	0	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

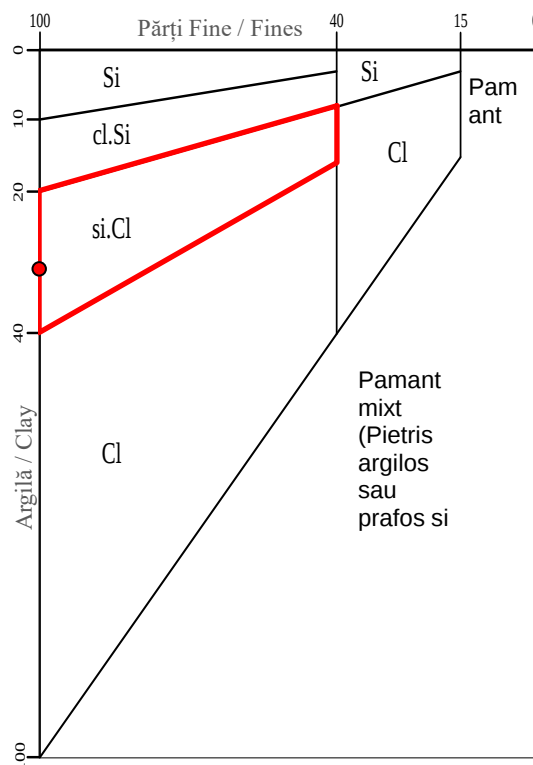
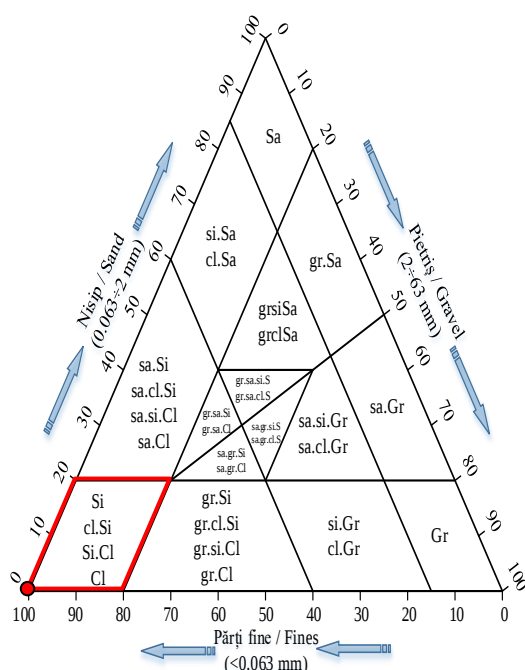


Data / Date: 14.01.2021

COD PROBA 75 1234

Raport de incercare nr. / Test report no.75 1234

	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	99,6
SEDIMENTARE	0,063	99,60
SEDIMENTARE	0,040	94,34
SEDIMENTARE	0,029	86,44
SEDIMENTARE	0,021	78,00
SEDIMENTARE	0,016	69,57
SEDIMENTARE	0,012	61,13
SEDIMENTARE	0,009	51,65
SEDIMENTARE	0,006	43,74
SEDIMENTARE	0,005	39,00
SEDIMENTARE	0,003	35,83
SEDIMENTARE	0,002	32,67
SEDIMENTARE	0,001	29,51



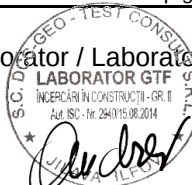
Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

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	31	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	69			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 1234

Raport de incercare nr. / Test report no.75 1235

**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	14			
PROBA UMEDA + TARA A (gr)		150,00			27,95	29,76	28,19	30,46	18,27	18,42	19,04
PROBA USCATA + TARA B (gr)		117,40			23,20	24,59	23,28	24,96	17,67	17,79	18,35
TARA C (gr)					12,60	13,62	13,38	14,19	14,05	13,94	14,22
A - B		32,60			4,76	5,18	4,91	5,51	0,60	0,63	0,70
B - C		117,40			10,59	10,96	9,89	10,76	3,61	3,84	4,12
W(%) = (A-B)/(B-C)*100		27,77			44,90	47,22	49,64	51,16	16,57	16,35	16,89
W(%) MEDIU			27,77				48,67			16,60	

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

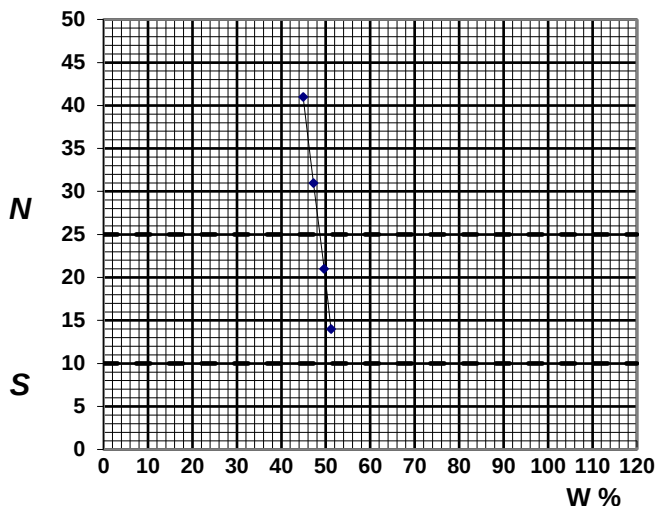
Argila prafoasa cafenie plastic consistenta / firm
consistency

SR EN ISO 14688/1/2-2018

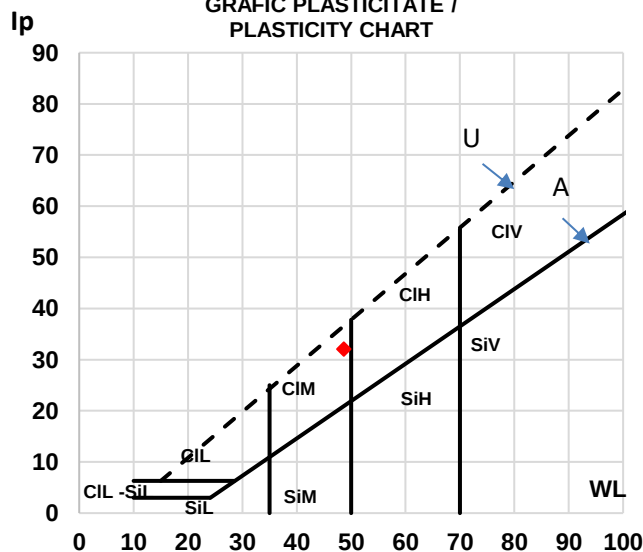
Pamant fin cu plasticitate medie / Fine soil, medium plasticity

CIM

GRAFICUL LIMITEI SUPERIOARE DE PLASTICITATE
UPPER LIMIT OF PLASTICITY CHART



GRAFIC PLASTICITATE /
PLASTICITY CHART



SR EN ISO 14688/2-2018					SR EN ISO 14688/2-2018		
LIMITA DE FRAMANTARE / PLASTIC LIMIT	W _P =	16,60	%	Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit	
UMIDIT. NATUR. / NATURAL MOISTURE	W =	27,77	%	Cl	Clay	Low	redusa
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	48,67	%	Si	Silt	Medium	medie
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	32,07	%			Heigh	mare
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	0,65				Very heigh	foarte mare
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	0,35				O	organica

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 14.01.2021

COD PROBA 75

1235

Sef Laborator / Laboratory head: Constanta ANDREI

