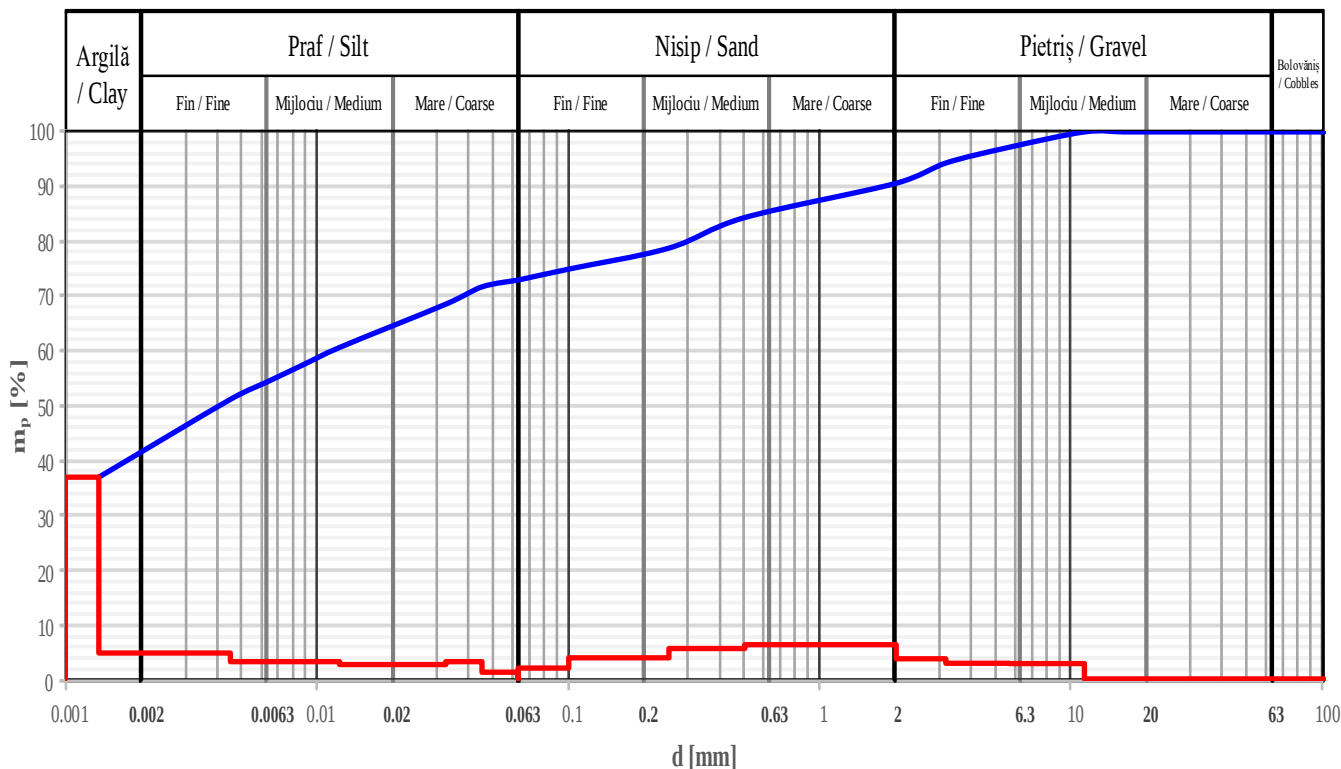


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: FCC1 Iasi
 Proba/Sample: PT 2
 Adancimea/Depth(m): 2,00

Raport de incercare nr. / Test report no.75 1017



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 / Clay (Cl)								cenusie		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 (Cl)	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)	
	40	33			18			9			0
	< 0,002	< 0,0063	< 0,02	< 0,063	< 0,2	< 0,63	< 2	< 6,3	< 20	< 63	< 200mm
%	40	14	11	8	4	8	6	7	2	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

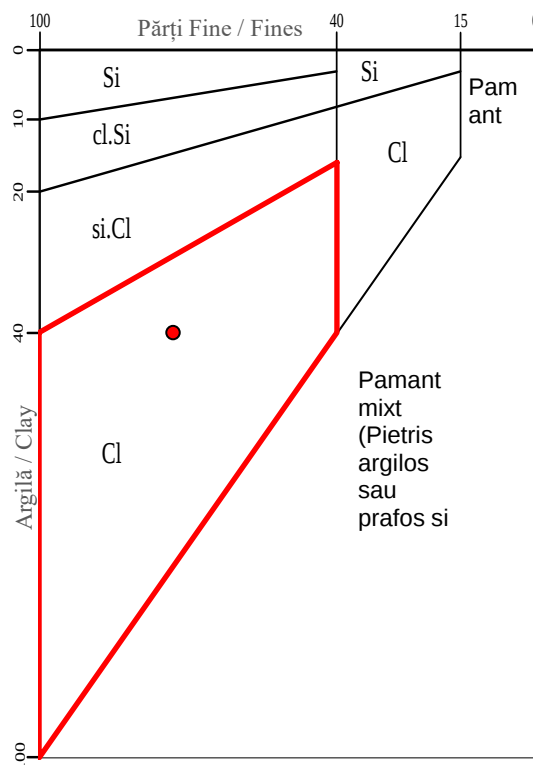
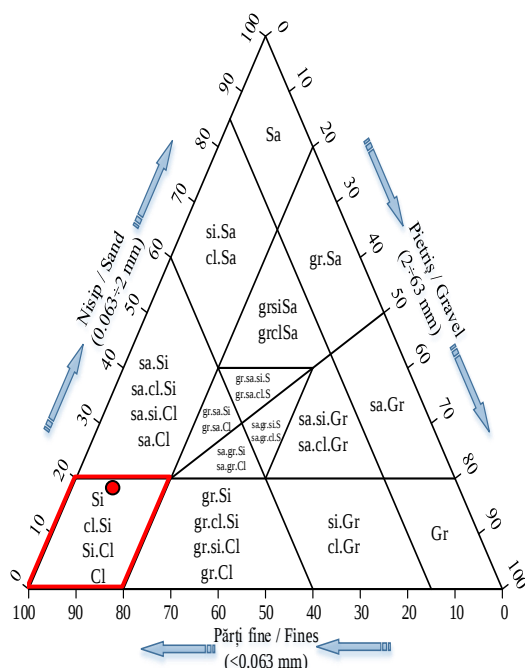


Data / Date: 12.01.2021

COD PROBA 75 1017

Raport de incercare nr. / Test report no.75 1017

	d (mm)	mp (%)
	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	97,2
	3,15	94,3
	2	90,6
	0,5	84,3
	0,25	78,8
	0,10	74,9
	0,063	72,9
	0,063	72,92
	0,045	71,67
	0,032	68,51
	0,023	65,87
	0,017	63,24
	0,012	60,60
	0,009	57,44
	0,006	54,28
	0,005	51,11
	0,003	46,37
	0,002	41,63
	0,001	36,88



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	40	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	33					
Pamant grosier / Coarse	Nisip	Sa	18	3---6	< 1	Uniforma / Uniform		
	Pietris	Gr	9	6---15	< 1	Uniformitate medie / Medium uniformity		
Pamant foarte grosier / Very coarse	Bolovanis	Co		>15	1---3	Neuniforma / Non-uniform		
				>15	<0,5	Discontinua/Gap graded		

Executat de / Performed by :
 ing. Nina IOSIF

Nina IOSIF

Sef Laborator / Laboratory head: Constanta ANDREI



COD PROBA 75 1017

Raport de incercare nr. / Test report no.75 1018

**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						
					43	32	22	15			
PROBA UMEDA + TARA A (gr)		150,00			26,63	28,46	26,78	29,22	16,41	16,60	17,20
PROBA USCATA + TARA B (gr)		111,88			21,09	22,48	21,17	22,85	15,76	15,88	16,44
TARA C (gr)					10,80	11,82	11,58	12,39	12,25	12,14	12,42
A - B		38,12			5,54	5,98	5,61	6,37	0,65	0,71	0,75
B - C		111,88			10,29	10,66	9,59	10,46	3,51	3,74	4,02
W(%) = (A-B)/(B-C)*100		34,07			53,90	56,15	58,50	60,95	18,51	19,09	18,74
W(%) MEDIU		34,07			57,79				18,78		

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

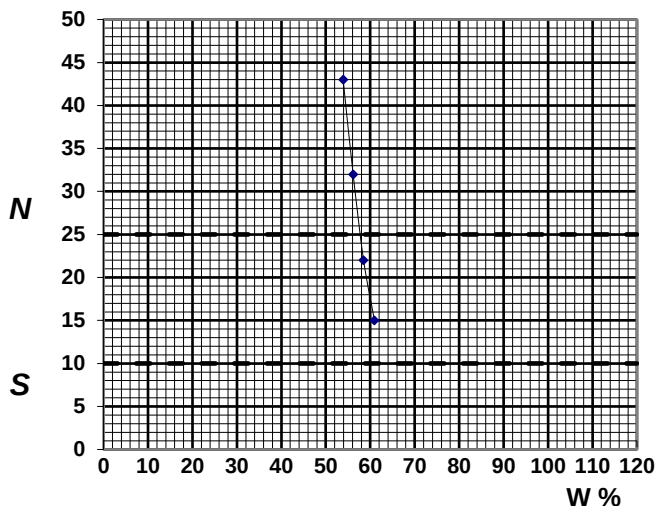
Argila cenusie cu MO si rar pietris plastic consistenta / firm
consistency

SR EN ISO 14688/1/2-2018

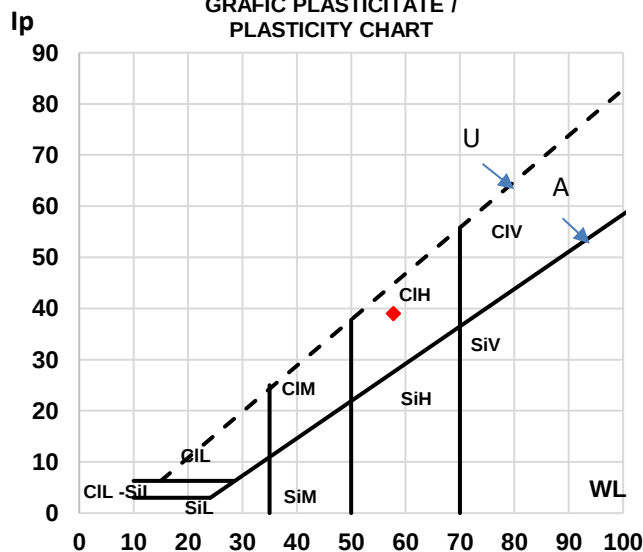
Pamant fin cu plasticitate mare / Fine soil, heigh plasticity

CIH

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 =	18,78	%	Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit	
UMIDIT. NATUR. / NATURAL MOISTURE	W =	34,07	%	Cl Clay	Low	redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	57,79	%	Si Silt	Medium	medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	39,02	%		Heigh	mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	0,61			Very heigh	foarte mare	>70
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	0,39			O	organic	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 12.01.2021

COD PROBA 75

1018

Sef Laborator / Laboratory head: Constanta ANDREI

