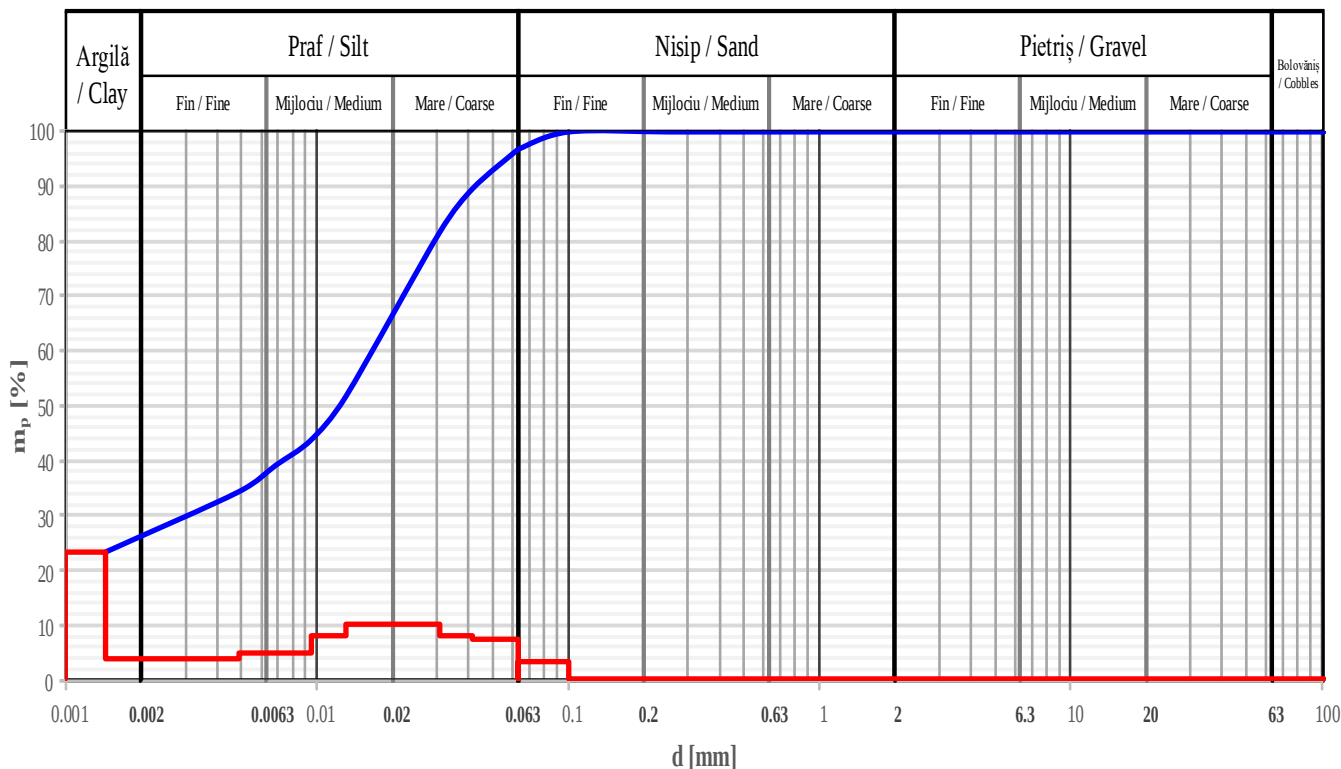


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: FCC1 Holboca
 Proba/Sample: PT 3
 Adancimea/Depth(m): 3,00

Raport de incercare nr. / Test report no.75 1037



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)				galbuie-cafenie				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)	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)	
	25	72			3			0			0
	< 0,002	< 0,0063	< 0,02	< 0,063	< 0,2	< 0,63	< 2	< 6,3	< 20	< 63	< 200mm
%	25	13	29	30	3	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

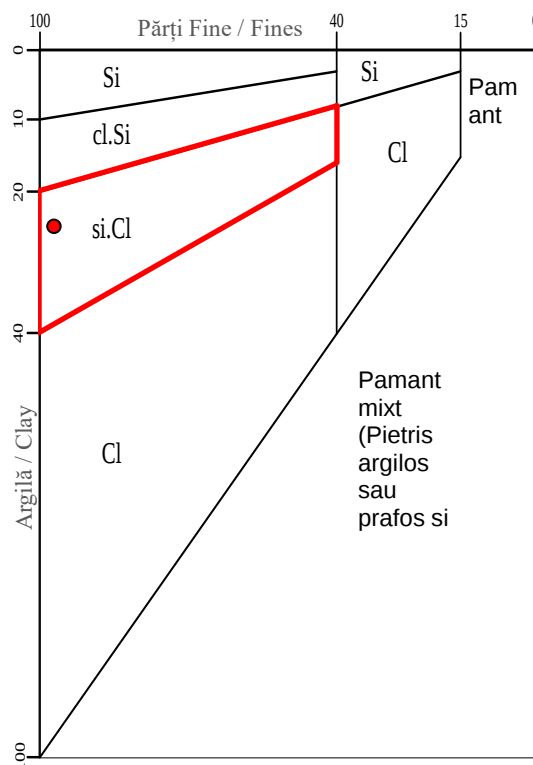
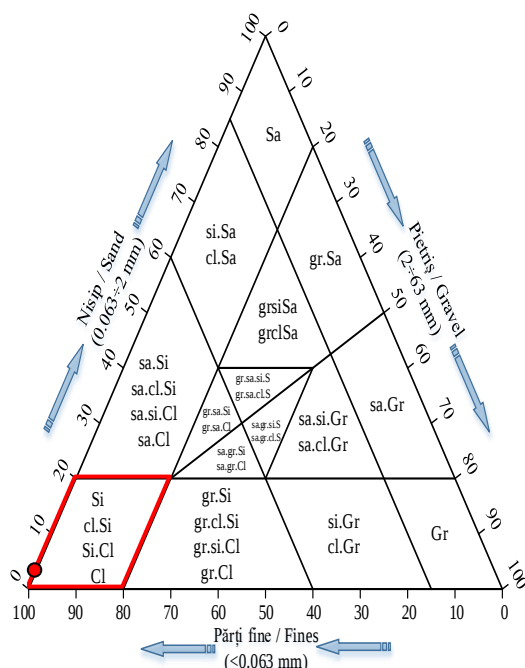


Data / Date: 12.01.2021

COD PROBA 75 1037

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	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	100,0
	3,15	100,0
SEDIMENTARE	2	100,0
	0,5	100,0
	0,25	100,0
	0,10	100,0
	0,063	96,8
	0,063	96,84
	0,041	89,60
	0,031	81,69
	0,023	71,68
	0,017	61,66
	0,013	51,65
	0,010	43,74
	0,007	39,00
	0,005	34,25
	0,004	30,56
	0,003	26,87
	0,001	23,18



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	25	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	72			Uniforma / Uniform		
Pamant grosier / Coarse	Nisip	Sa	3	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 1037

Raport de incercare nr. / Test report no.75 1038

**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	13			
PROBA UMEDA + TARA A (gr)		150,00			26,08	27,86	26,34	28,67	16,73	16,88	17,50
PROBA USCATA + TARA B (gr)		122,92			21,85	23,24	21,93	23,61	16,14	16,26	16,82
TARA C (gr)					10,98	12,00	11,76	12,57	12,43	12,32	12,60
A - B		27,08			4,23	4,62	4,42	5,06	0,59	0,63	0,68
B - C		122,92			10,87	11,24	10,17	11,04	3,71	3,94	4,22
W(%) = (A-B)/(B-C)*100		22,03			38,89	41,10	43,41	45,82	16,03	15,92	16,24
W(%) MEDIU		22,03			42,49				16,06		

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

Argila prafoasa galbuie-cafenie cu concrețiuni calcaroase

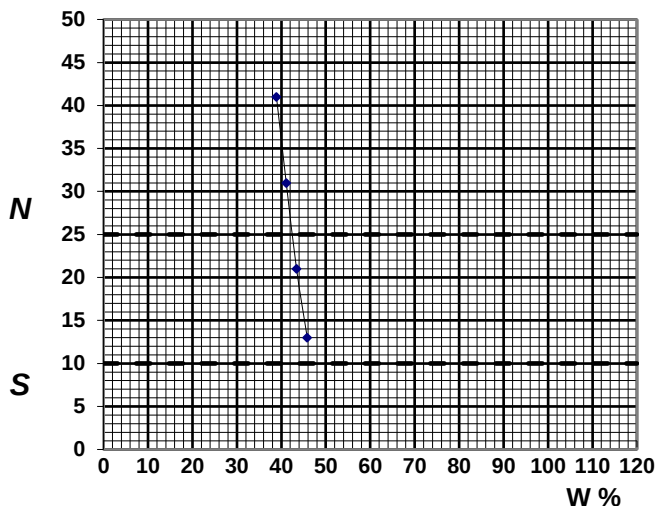
plastic vartoasa / stiff
consistency

SR EN ISO 14688/1/2-2018

Pamant fin cu plasticitate medie / Fine soil, medium plasticity

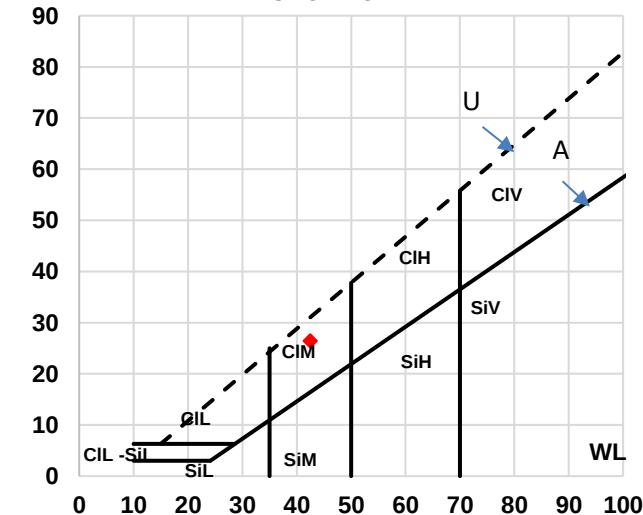
CIM

GRAFICUL LIMITEI SUPERIOARE DE PLASTICITATE
UPPER LIMIT OF PLASTICITY CHART



Ip

GRAFIC PLASTICITATE /
PLASTICITY CHART



					SR EN ISO 14688/2-2018		
LIMITA DE FRAMANTARE / PLASTIC LIMIT	W _P =	16,06	%	Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit	
UMIDIT. NATUR. / NATURAL MOISTURE	W =	22,03	%	Cl	Clay	Low	redusa
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	42,49	%	Si	Silt	Medium	medie
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	26,43	%			Heigh	mare
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	0,77				Very heigh	foarte mare
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - WP) / I _P	0,23				O	organig

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 12.01.2021

COD PROBA 75

1038

Sef Laborator / Laboratory head: Constanta ANDREI

