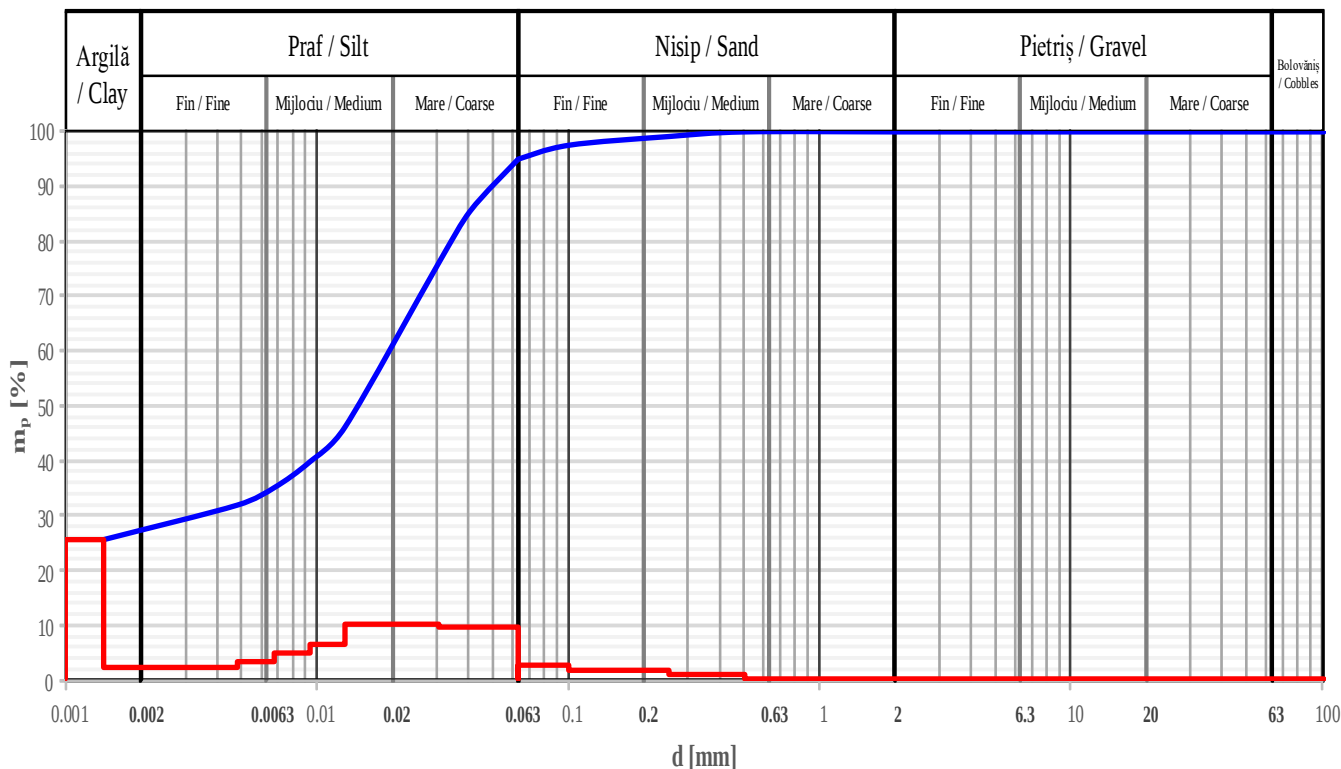


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: POD 22
 Proba/Sample: PT 5
 Adancimea/Depth(m): 5,00

Raport de incercare nr. / Test report no.75 615



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)								cenusie		Un = #N/A	
Conform SR EN ISO 14688/2-2005, la cerinta beneficiarului	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)	
	27	68			5			0			0
	< 0,002	< 0,0063	< 0,02	< 0,063	< 0,2	< 0,63	< 2	< 6,3	< 20	< 63	< 200mm
%	27	7	27	34	4	1	0	0	0	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

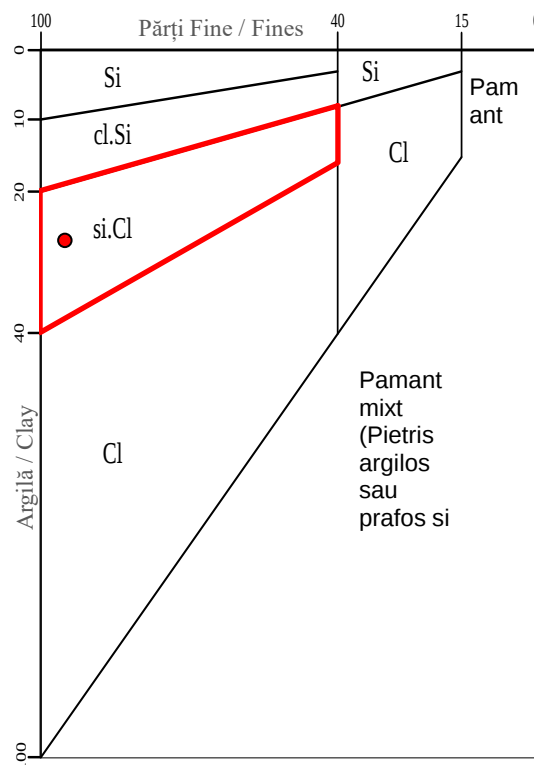
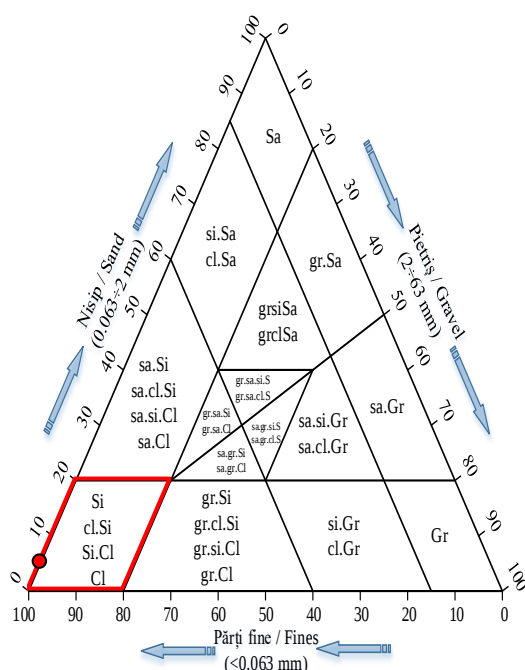


Data / Date: 16.12.2020

COD PROBA 75 615

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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
SEDIMENTARE	3,15	100,0
	2	100,0
	0,5	100,0
	0,25	99,2
	0,10	97,6
	0,063	95,0
	0,063	95,02
	0,041	85,56
	0,030	76,07
	0,023	66,05
	0,017	56,04
	0,013	46,02
	0,009	39,70
	0,007	34,95
	0,005	31,79
	0,003	29,68
	0,002	27,57
	0,001	25,46



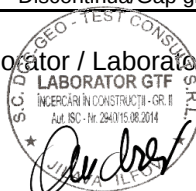
Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

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	27	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	68					
Pamant grosier / Coarse	Nisip	Sa	5	3---6	< 1	Uniforma / Uniform		
	Pietris	Gr	0	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 75 615

Raport de incercare nr. / Test report no.75 616

**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	22	13			
PROBA UMEDA + TARA A (gr)		150,00			25,09	26,84	25,37	27,63	16,39	16,54	17,16
PROBA USCATA + TARA B (gr)		117,11			21,38	22,77	21,46	23,14	15,82	15,94	16,50
TARA C (gr)					10,74	11,76	11,52	12,33	12,19	12,08	12,36
A - B		32,89			3,71	4,07	3,91	4,49	0,57	0,60	0,65
B - C		117,11			10,64	11,01	9,94	10,81	3,63	3,86	4,14
W(%) = (A-B)/(B-C)*100		28,08			34,89	37,00	39,31	41,52	15,58	15,47	15,79
W(%) MEDIU		28,08			38,54				15,61		

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

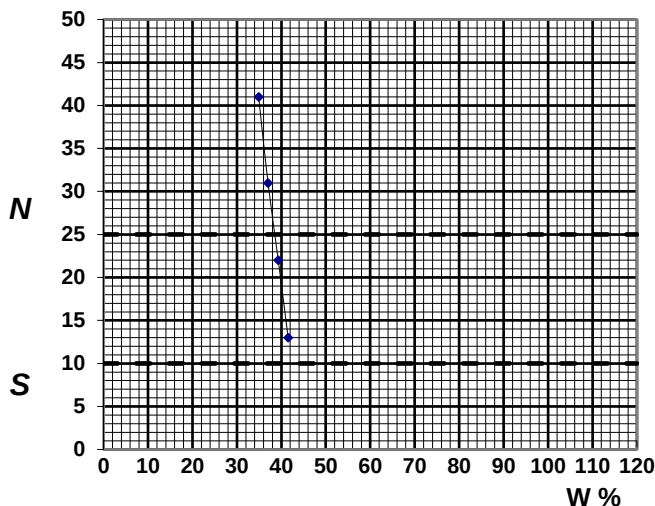
Argila prafoasa cenusie cu FeO plastic moale / soft
consistency

SR EN ISO 14688/1/2-2018

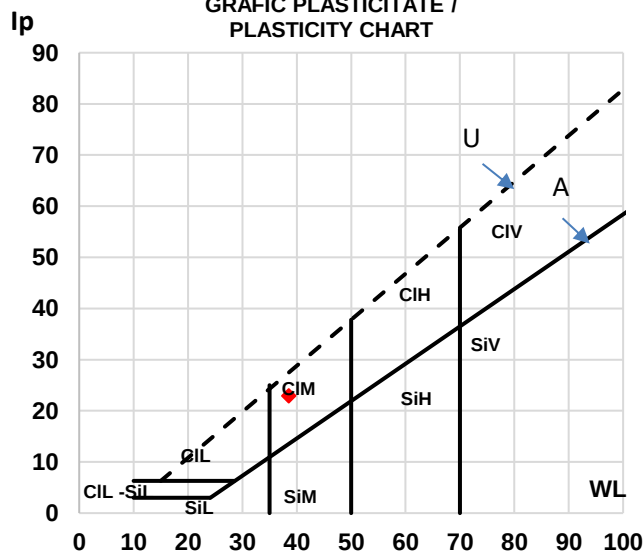
Pamant fin cu plasticitate medie / Fine soil, medium plasticity

CIM

GRAFICUL LIMITEI SUPERIOARE DE PLASTICITATE
UPPER LIMIT OF PLASTICITY CHART



GRAFIC PLASTICITATE /
PLASTICITY CHART



					SR EN ISO 14688/2-2018		
LIMITA DE FRAMANTARE / PLASTIC LIMIT	W _P =	15,61	%		Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit
UMIDIT. NATUR. / NATURAL MOISTURE	W =	28,08	%		Cl Clay	Low redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	38,54	%		Si Silt	Medium medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	22,93	%			Heigh mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	0,46				Very heigh mare	>70
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	0,54				O organig	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 16.12.2020

COD PROBA 75

616

Sef Laborator / Laboratory head: Constanta ANDREI

