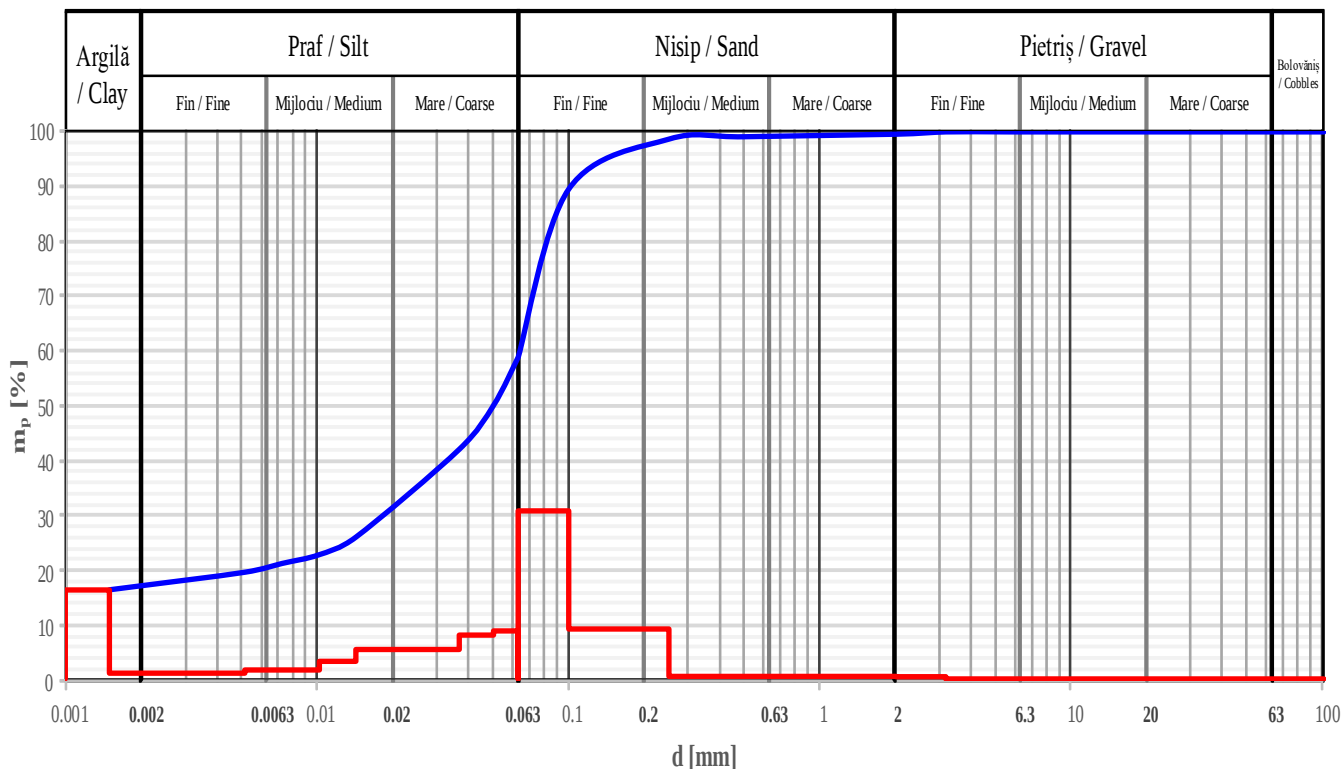


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: FTS 75
 Proba/Sample: PT 1
 Adancimea/Depth(m): 1,00

Raport de incercare nr. / Test report no. 75 1034



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 nisipoasă / Sandy silty clay (sa.sî.ci)								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	42			41			0			0
	< 0,002	< 0,0063	< 0,02	< 0,063	< 0,2	< 0,63	< 2	< 6,3	< 20	< 63	< 200mm
%	17	3	12	27	37	3	1	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

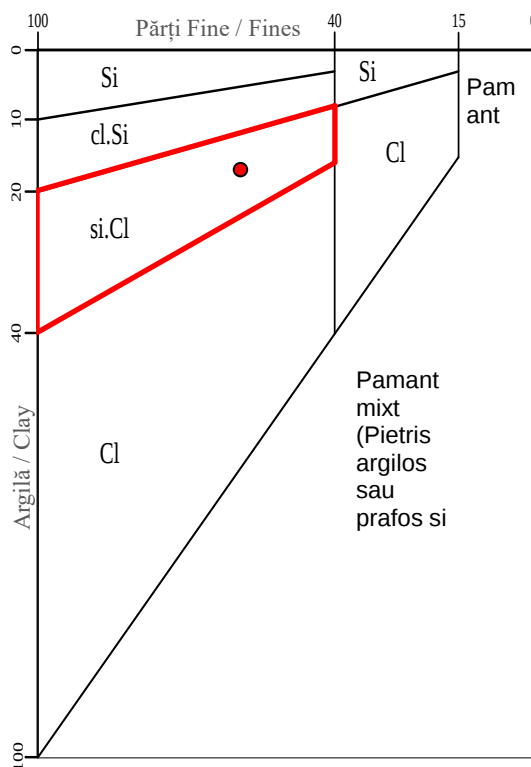
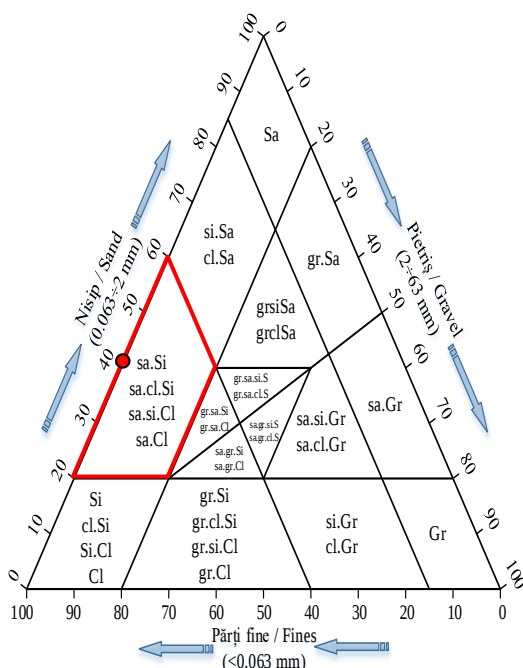


Data / Date: 17.12.2020

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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	99,6
	0,5	99,1
	0,25	98,7
	0,10	89,5
	0,063	58,8
	0,063	58,82
	0,050	50,02
	0,037	41,99
	0,027	36,63
	0,019	31,28
	0,014	25,93
	0,010	22,72
	0,007	21,11
	0,005	19,50
	0,004	18,43
	0,003	17,36
	0,001	16,29



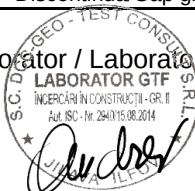
Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

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	42			Uniforma / Uniform		
Pamant grosier / Coarse	Nisip	Sa	41	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 1034

Raport de incercare nr. / Test report no. 75 1035

**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	14			
PROBA UMEDA + TARA A (gr)		150,00			29,08	30,92	29,55	31,78	19,69	19,85	20,45
PROBA USCATA + TARA B (gr)		123,57			25,66	27,05	25,74	27,42	19,13	19,25	19,81
TARA C (gr)					13,55	14,57	14,33	15,14	15,00	14,89	15,17
A - B		26,43			3,43	3,88	3,81	4,37	0,55	0,60	0,63
B - C		123,57			12,10	12,47	11,40	12,27	4,13	4,36	4,64
W(%) = (A-B)/(B-C)*100		21,39			28,32	31,07	33,40	35,58	13,42	13,67	13,65
W(%) MEDIU		21,39			32,62				13,58		

DESCRIEREA PROBEI /
 DESCRIPTION OF THE SOIL:

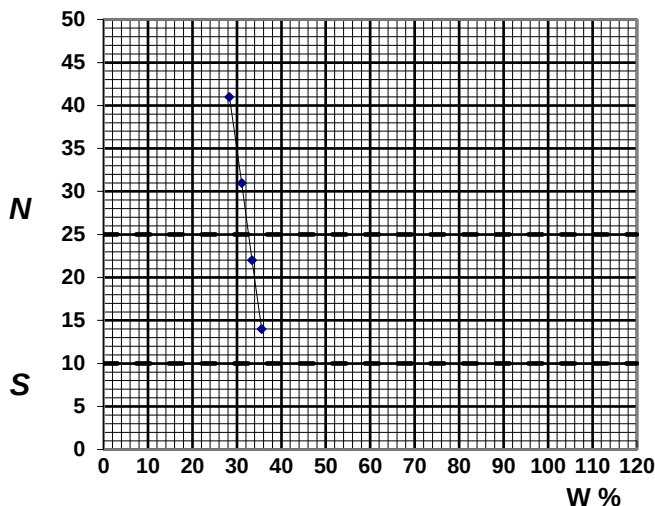
Nisip argilos galbui plastic consistent / firm
 consistency

SR EN ISO 14688/1/2-2018

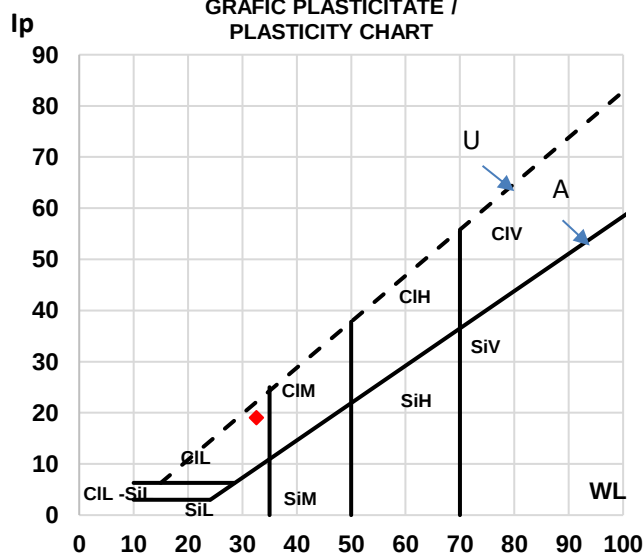
Pamant fin cu plasticitate redusa / Fine soil, low plasticity

CIL

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 =	13,58	%	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 =	32,62	%	Si Silt	Medium	medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	19,04	%		Heigh	mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	0,59			Very heigh	foarte mare	>70
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	0,41			O	organice	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 17.12.2020

COD PROBA 75

1035

Sef Laborator / Laboratory head: Constanta ANDREI

