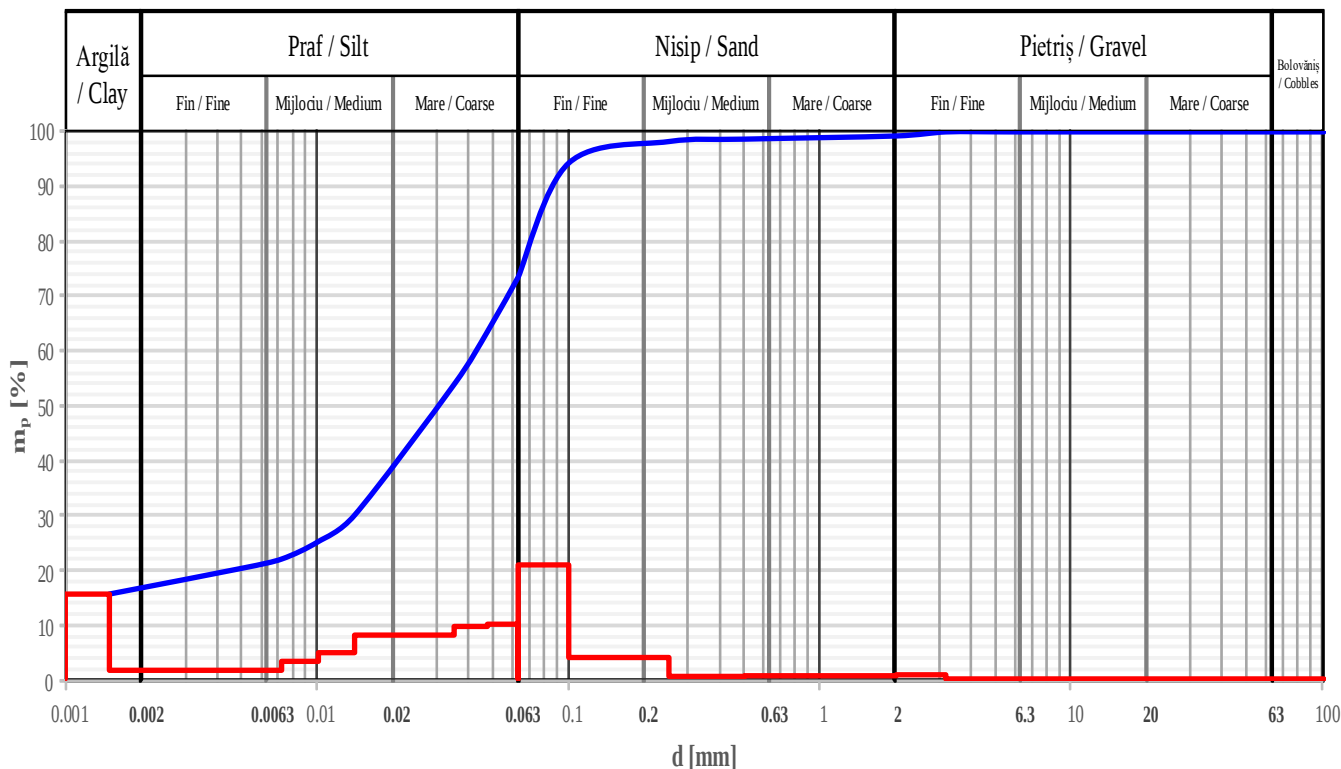


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: FTS 73
 Proba/Sample: PT 1
 Adancimea/Depth(m): 1,00

Raport de incercare nr. / Test report no. 75 1024



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)	Praf (Si)				Nisip (Sa)			Pietris (Gr)			Bolovanis (Co)
	Fin (fSi)	Mediu (mSi)	Mare (cSi)		Fin (fSa)	Mediu (mSa)	Mare (cSa)	Fin (fGr)	Mediu (mGr)	Mare (cGr)	
	16	57			26			1			0
	< 0,002	< 0,0063	< 0,02	< 0,063	< 0,2	< 0,63	< 2	< 6,3	< 20	< 63	< 200mm
%	16	5	18	34	24	2	0	1	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

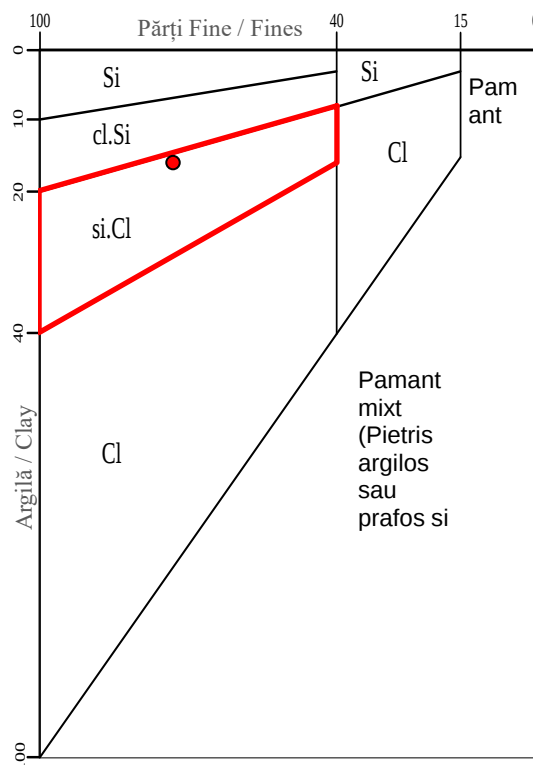
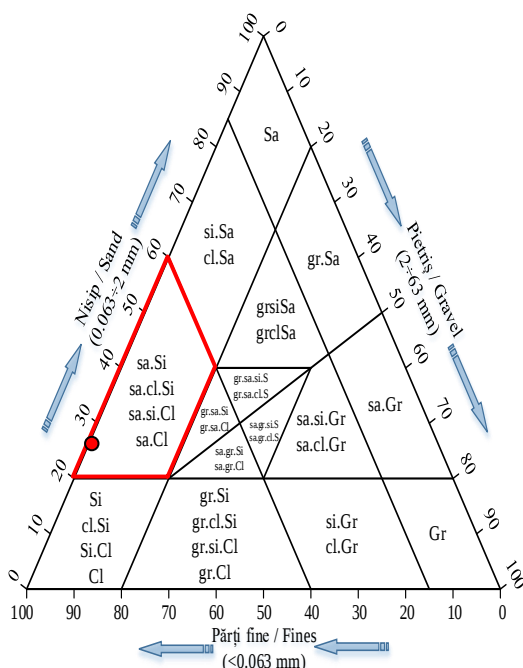


Data / Date: 17.12.2020

COD PROBA 75 1024

Raport de încercare nr. / Test report no. 75 1024

	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	99,3
	0,5	98,7
	0,25	98,2
	0,10	94,3
	0,063	73,5
	0,063	73,46
	0,048	63,48
	0,035	53,88
	0,026	45,89
	0,019	37,89
	0,014	29,90
	0,010	25,10
	0,007	21,91
	0,005	20,31
	0,004	18,71
	0,003	17,11
	0,001	15,51



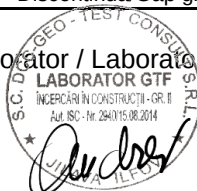
Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

Tip pamant / Soil group	Tip fracțiune		%	C _u (Un)	C _c	Forma curbei granulometrice / Shape of grading curve	C _u (Un)	C _c
Pamant fin / Fine	Argila	Cl	16	<3	< 1	Foarte uniformă / Very uniform	#N/A	#####
	Praf	Si	57			Uniformă / Uniform		
Pamant grosier / Coarse	Nisip	Sa	26	3---6	< 1	Uniformitate medie / Medium uniformity		
	Pietris	Gr	1	6---15	< 1	Neuniformă / 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 1024

Raport de incercare nr. / Test report no. 75 1025

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	23	14			
PROBA UMEDA + TARA A (gr)		150,00			27,25	28,98	27,58	29,79	18,87	19,01	19,64
PROBA USCATA + TARA B (gr)		131,46			24,10	25,49	24,18	25,86	18,36	18,48	19,04
TARA C (gr)					13,19	14,21	13,97	14,78	14,64	14,53	14,81
A - B		18,54			3,15	3,49	3,40	3,93	0,51	0,53	0,59
B - C		131,46			10,90	11,27	10,20	11,07	3,72	3,95	4,23
W(%) = (A-B)/(B-C)*100		14,10			28,90	30,98	33,31	35,49	13,61	13,42	14,05
W(%) MEDIU		14,10			32,79				13,69		

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

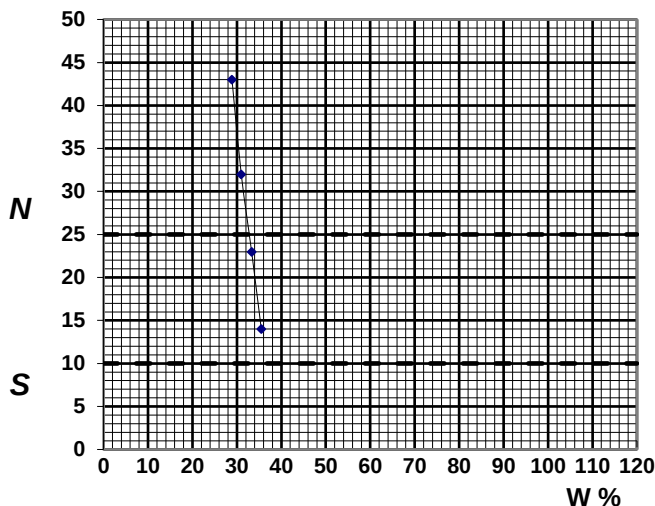
Praf nisipos argilos galbui cu calcar degradat plastic vartoasa / stiff consistency

SR EN ISO 14688/1/2-2018

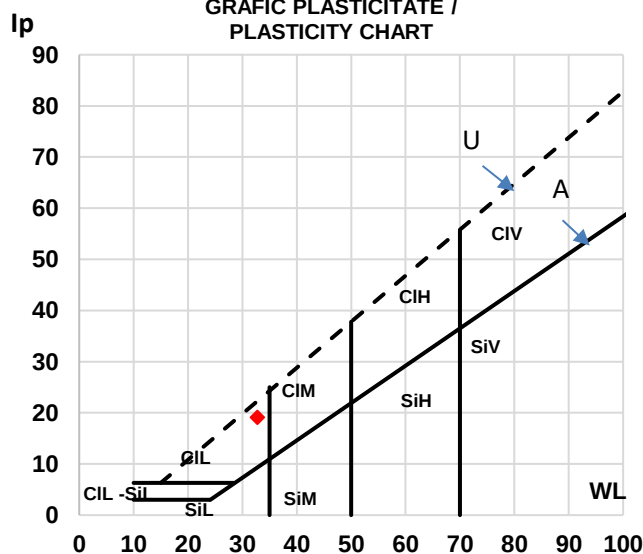
Pamant fin cu plasticitate redusa / Fine soil, low plasticity

CIL

GRAFICUL LIMITEI SUPERIOARE DE PLASTICITATE
UPPER LIMIT OF PLASTICITY CHART



GRAFIC PLASTICITATE /
PLASTICITY CHART



					SR EN ISO 14688/2-2018		
LIMITA DE FRAMANTARE / PLASTIC LIMIT	W _P =	13,69	%	Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit	
UMIDIT. NATUR. / NATURAL MOISTURE	W =	14,10	%	Cl Clay	Low	redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	32,79	%	Si Silt	Medium	medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	19,10	%		Heigh	mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	0,98			Very heigh	foarte mare	>70
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	0,02			O	organice	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 17.12.2020

COD PROBA 75

1025

Sef Laborator / Laboratory head: Constanta ANDREI

