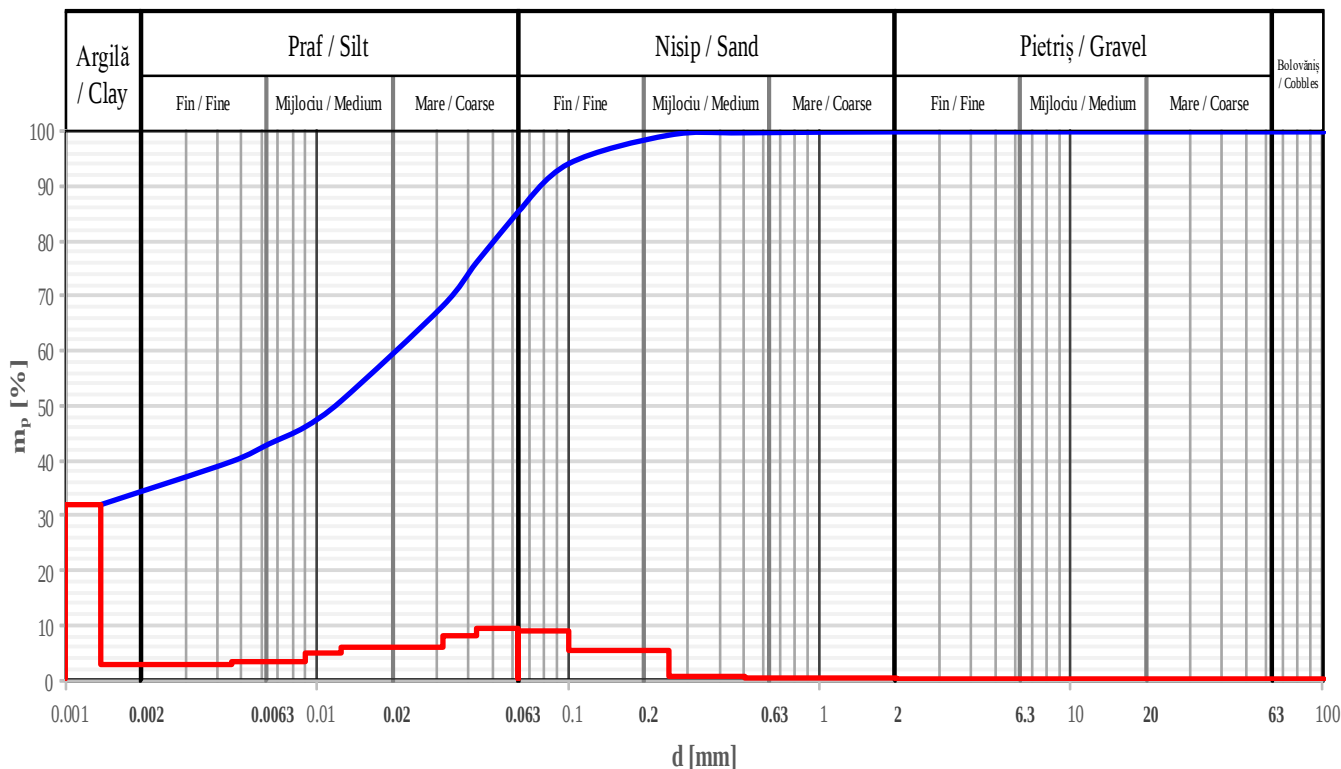


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: POD 20
 Proba/Sample: PT 7
 Adancimea/Depth(m): 7,00

Raport de incercare nr. / Test report no. 75 345



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-cenusie 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)	
	34	51			15			0			0
	< 0,002	< 0,0063	< 0,02	< 0,063	< 0,2	< 0,63	< 2	< 6,3	< 20	< 63	< 200mm
%	34	9	17	25	13	2	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

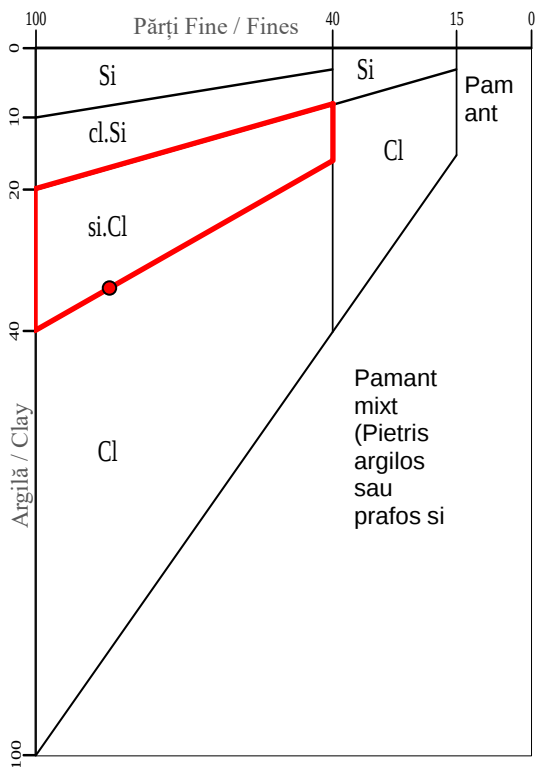
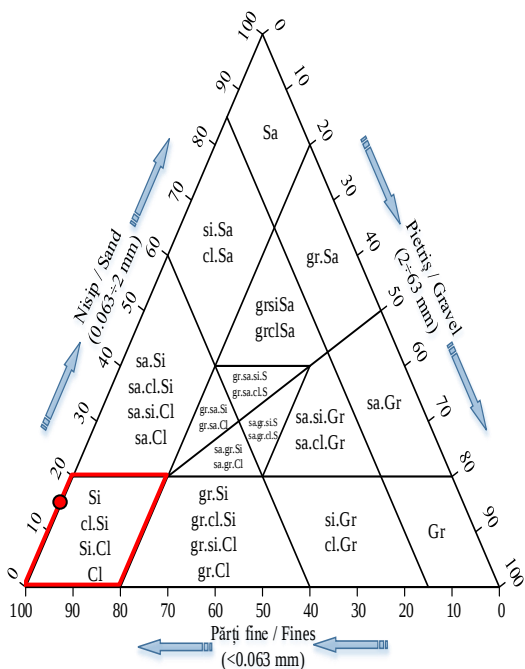


Data / Date: 15.12.2020

COD PROBA 75 345

Raport de incercare nr. / Test report no. 75 345

SEDIMENTARE			CERNERE		
	d (mm)	mp (%)		d (mm)	mp (%)
	0,001	31,86		100	100,0
	0,002	34,49		100	100,0
	0,003	37,13		100	100,0
	0,005	39,76		100	100,0
	0,006	42,92		100	100,0
	0,009	46,09		100	100,0
	0,012	50,83		100	100,0
	0,017	56,63		100	100,0
	0,023	62,43		90	100,0
	0,032	68,23		63	100,0
	0,043	76,13		45	100,0
	0,063	85,40		31,5	100,0
				22,4	100,0
				16	100,0
				11,2	100,0
				5,6	100,0
				3,15	100,0
				2	100,0
				0,5	99,8
				0,25	99,4
				0,10	94,2
				0,063	85,4

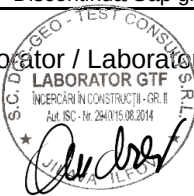


Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

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	34	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	51	3---6	< 1	Uniforma / Uniform		
Pamant grosier / Coarse	Nisip	Sa	15	6---15	< 1	Uniformitate medie / Medium uniformity		
	Pietris	Gr	0	>15	1---3	Neuniforma / Non-uniform		
Pamant foarte grosier / Very coarse	Bolovanis	Co		>15	<0,5	Discontinua/Gap graded		

Executat de / Performed by :
ing. Nina IOSIF

Sef Laborator / Laboratory head: Constanta ANDREI



COD PROBA 75 345

Raport de incercare nr. / Test report no. 75 346

**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						
					42	32	21	14			
PROBA UMEDA + TARA A (gr)		150,00			29,70	31,57	29,99	32,36	19,60	19,78	20,36
PROBA USCATA + TARA B (gr)		124,25			24,85	26,24	24,93	26,61	19,02	19,14	19,70
TARA C (gr)					13,80	14,82	14,58	15,39	15,25	15,14	15,42
A - B		25,75			4,85	5,33	5,07	5,76	0,58	0,64	0,66
B - C		124,25			11,04	11,41	10,34	11,21	3,77	4,00	4,28
W(%) = (A-B)/(B-C)*100		20,72			43,95	46,72	48,99	51,35	15,45	16,07	15,34
W(%) MEDIU			20,72				48,16			15,62	

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

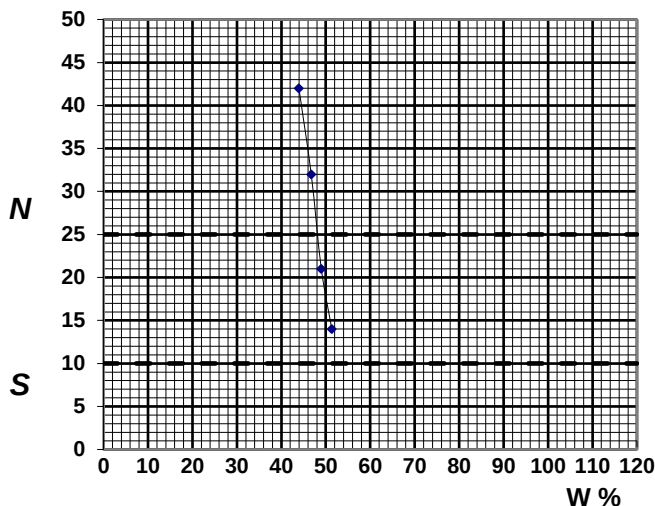
Argila galbuie-cenusie cu FeO plastic vartoasa / stiff consistency

SR EN ISO 14688/1/2-2018

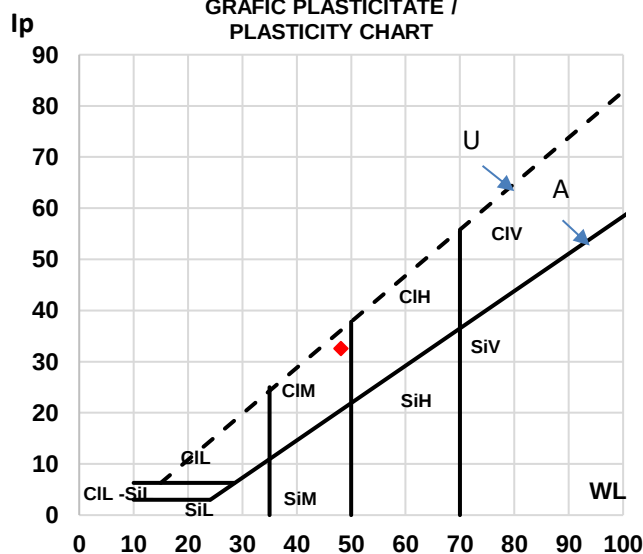
Pamant fin cu plasticitate medie / Fine soil, medium plasticity

CIM

GRAFICUL LIMITEI SUPERIOARE DE PLASTICITATE
UPPER LIMIT OF PLASTICITY CHART



GRAFIC PLASTICITATE /
PLASTICITY CHART



					SR EN ISO 14688/2-2018		
LIMITA DE FRAMANTARE / PLASTIC LIMIT	W _P =	15,62	%	Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit	
UMIDIT. NATUR. / NATURAL MOISTURE	W =	20,72	%	Cl Clay	Low	redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	48,16	%	Si Silt	Medium	medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	32,55	%		Heigh	mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	0,84			Very heigh	foarte mare	>70
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	0,16			O	organici	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 15.12.2020

COD PROBA 75

346

Sef Laborator / Laboratory head: Constanta ANDREI

