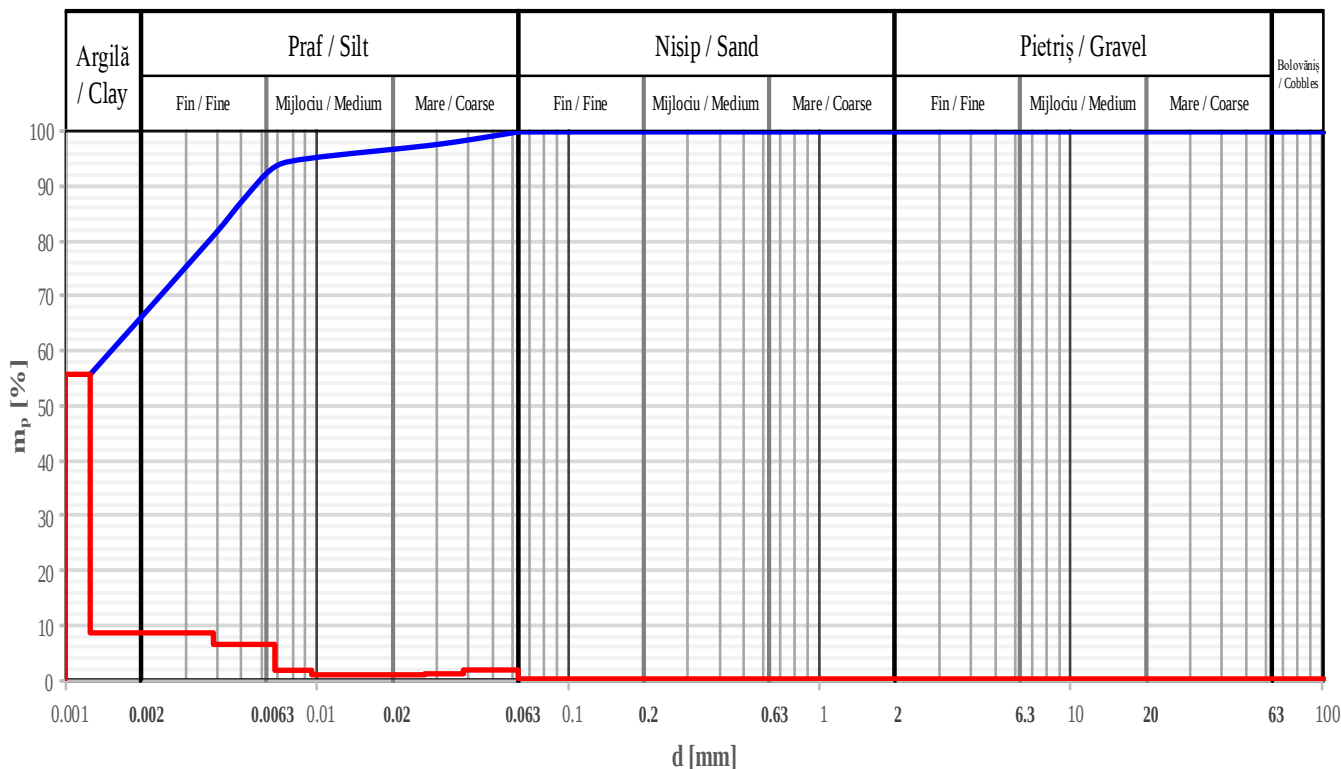


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: FTS 62
 Proba/Sample: PT 6
 Adancimea/Depth(m): 6,00

Raport de incercare nr. / Test report no.75 1206



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 / Clay (CI)				galbui-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
63	Praf (Si)				Nisip (Sa)			Pietris (Gr)			Bolovanis (Co)
	Argila (CI)	Fin (fSi)	Mediu (mSi)	Mare (cSi)	Fin (fSa)	Mediu (mSa)	Mare (cSa)	Fin (fGr)	Mediu (mGr)	Mare (cGr)	
	63	37	0	0	0	0	0	0	0	0	
	< 0,002	< 0,0063	< 0,02	< 0,063	< 0,2	< 0,63	< 2	< 6,3	< 20	< 63	
%	63	29	5	3	0	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

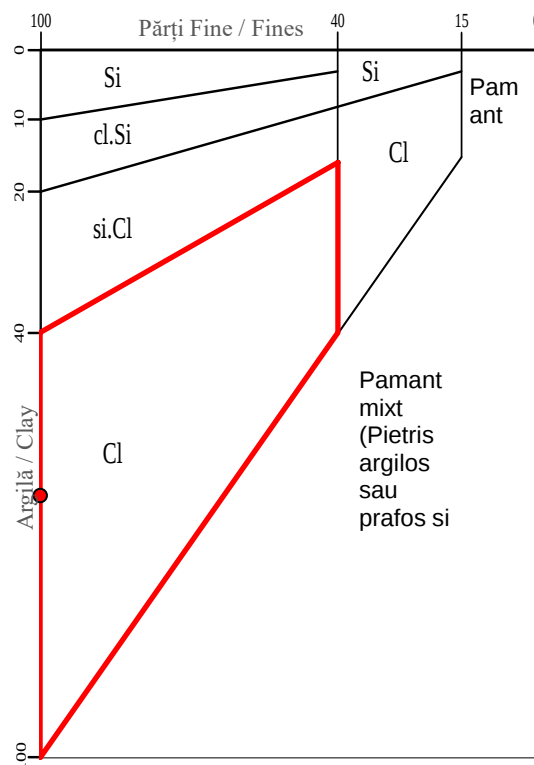
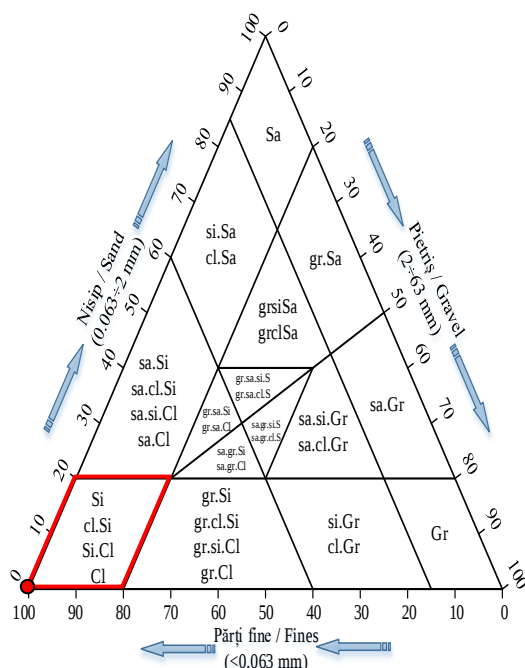


Data / Date: 14.01.2021

COD PROBA 75 1206

Raport de incercare nr. / Test report no.75 1206

	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	100,0
	0,063	#####
	0,038	98,38
	0,027	97,43
	0,019	96,70
	0,013	95,96
	0,010	95,22
	0,007	93,64
	0,005	87,31
	0,004	80,99
	0,003	72,55
	0,002	64,12
	0,001	55,68



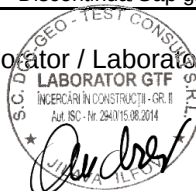
Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

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	63	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	37					
Pamant grosier / Coarse	Nisip	Sa	0	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 1206

Raport de incercare nr. / Test report no.75 1207

**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						
					46	32	21	16			
PROBA UMEDA + TARA A (gr)		150,00			30,75	32,79	30,75	33,48	16,95	17,15	17,78
PROBA USCATA + TARA B (gr)		115,10			21,53	22,92	21,61	23,29	15,92	16,04	16,60
TARA C (gr)					10,82	11,84	11,60	12,41	12,27	12,16	12,44
A - B		34,90			9,22	9,87	9,14	10,19	1,02	1,11	1,18
B - C		115,10			10,71	11,08	10,01	10,88	3,65	3,88	4,16
W(%) = (A-B)/(B-C)*100		30,32			86,10	89,05	91,32	93,69	28,02	28,47	28,23
W(%) MEDIU		30,32			90,50				28,24		

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

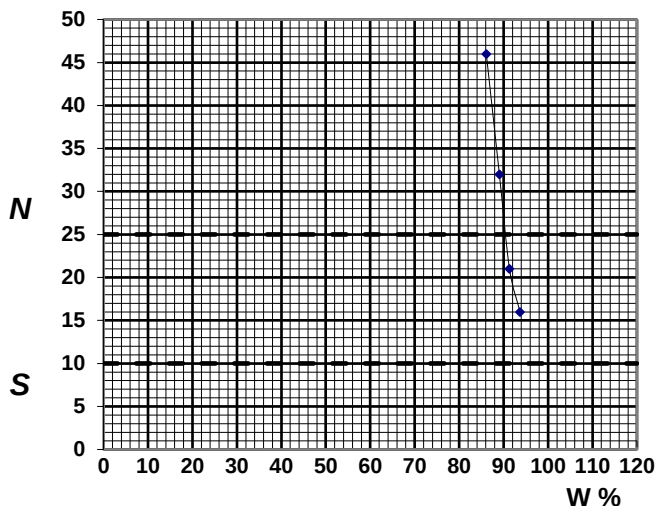
Argila galbui-cenusie cu FeO plastic vartoasa / stiff
consistency

SR EN ISO 14688/1/2-2018

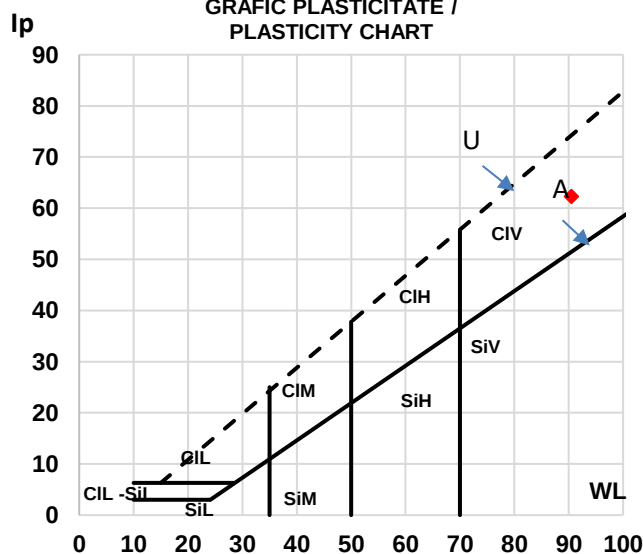
Pamant fin cu plasticitate foarte mare / Fine soil, very high plasticity

CIV

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 =	28,24	%	Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit	
UMIDIT. NATUR. / NATURAL MOISTURE	W =	30,32	%	Cl	Clay	Low	redusa
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	90,50	%	Si	Silt	Medium	medie
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	62,26	%			Heigh	mare
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	0,97				Very heigh	foarte mare
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	0,03				O	organica

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 14.01.2021

COD PROBA 75

1207

Sef Laborator / Laboratory head: Constanta ANDREI

