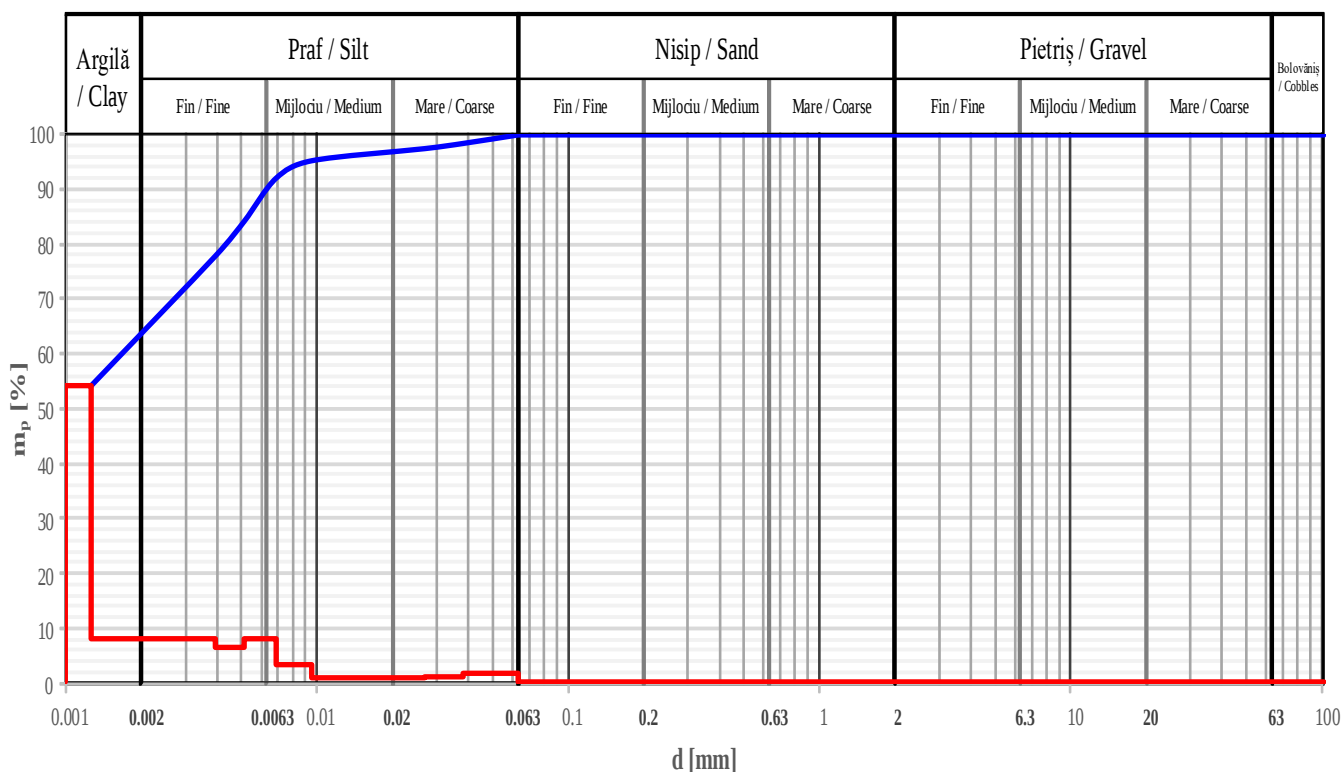


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: FTS 63 a
 Proba/Sample: PT 5
 Adancimea/Depth(m): 5,00

Raport de incercare nr. / Test report no.75 1212



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 / Clay (Cl)galbui-cenusieUn = #N/A											
Conform SR EN ISO 14688/2-2005, la cerinta beneficiarului	Pamant fin / Fine				Pamant grosier / Coarse						Pamant foarte grosier / Very coarse
	Argila (Cl)	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)	
	61	39			0			0			0
	< 0,002	< 0,0063	< 0,02	< 0,063	< 0,2	< 0,63	< 2	< 6,3	< 20	< 63	< 200mm
%	61	28	8	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

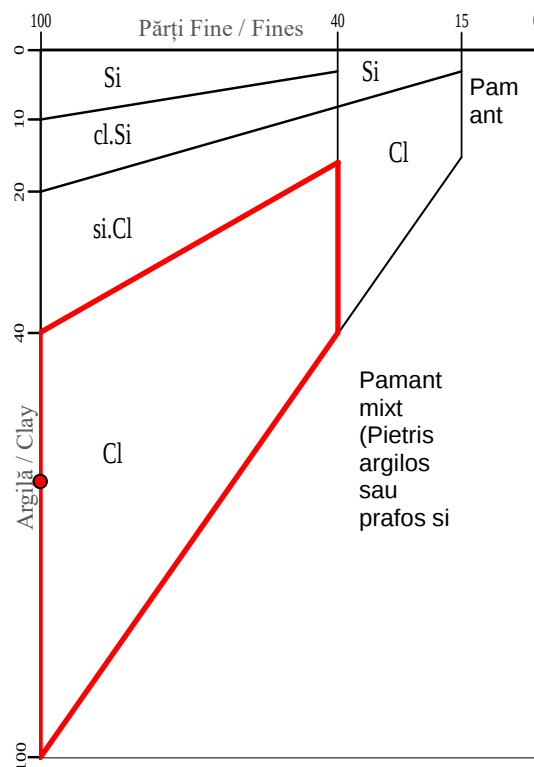
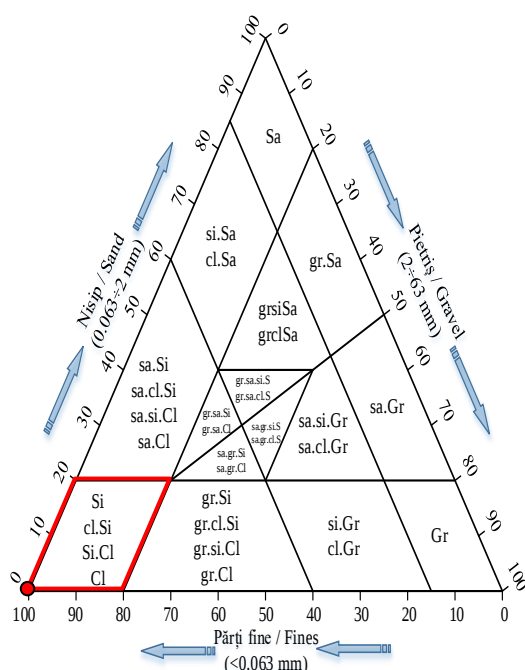


Data / Date: 14.01.2021

COD PROBA 75 1212

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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	100,0
	0,5	100,0
	0,25	100,0
	0,10	100,0
	0,063	100,0
	0,063	#####
	0,038	98,44
	0,027	97,49
	0,019	96,75
	0,013	96,02
	0,010	95,28
	0,007	92,11
	0,005	84,21
	0,004	77,88
	0,003	69,97
	0,002	62,07
	0,001	54,16



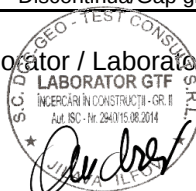
Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

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	61	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	39			Uniforma / Uniform		
Pamant grosier / Coarse	Nisip	Sa	0	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 1212

Raport de incercare nr. / Test report no.75 1213

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						
					44	32	22	15			
PROBA UMEDA + TARA A (gr)		150,00			29,41	31,35	29,33	31,97	16,13	16,34	16,97
PROBA USCATA + TARA B (gr)		115,86			20,55	21,94	20,63	22,31	15,13	15,25	15,81
TARA C (gr)					10,12	11,14	10,90	11,71	11,57	11,46	11,74
A - B		34,14			8,86	9,42	8,70	9,66	1,00	1,09	1,16
B - C		115,86			10,43	10,80	9,73	10,60	3,56	3,79	4,07
W(%) = (A-B)/(B-C)*100		29,47			84,90	87,17	89,44	91,11	28,20	28,74	28,47
W(%) MEDIU		29,47			88,76				28,47		

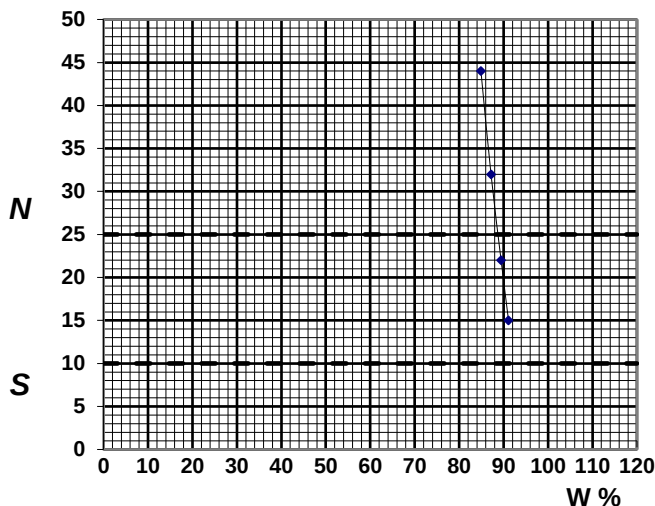
DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

Argila galbui-cenusie plastic vartoasa / stiff consistency

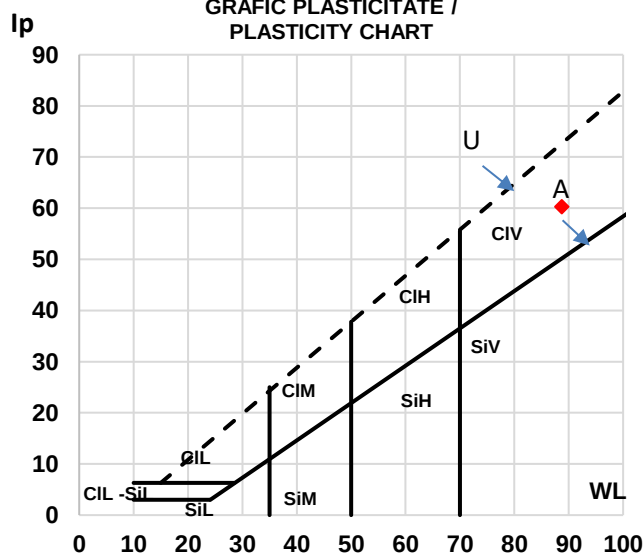
SR EN ISO 14688/1/2-2018 Pamant fin cu plasticitate foarte mare / Fine soil, very high plasticity

CIV

GRAFICUL LIMITEI SUPERIOARE DE PLASTICITATE
UPPER LIMIT OF PLASTICITY CHART



GRAFIC PLASTICITATE /
PLASTICITY CHART



					SR EN ISO 14688/2-2018		
LIMITA DE FRAMANTARE / PLASTIC LIMIT	W _P =	28,47	%		Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit
UMIDIT. NATUR. / NATURAL MOISTURE	W =	29,47	%		Cl Clay	Low redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	88,76	%		Si Silt	Medium medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	60,28	%			Heigh mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	0,98				Very heigh mare	>70
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	0,02				O organig	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 14.01.2021

COD PROBA 75

1213

Sef Laborator / Laboratory head: Constanta ANDREI

