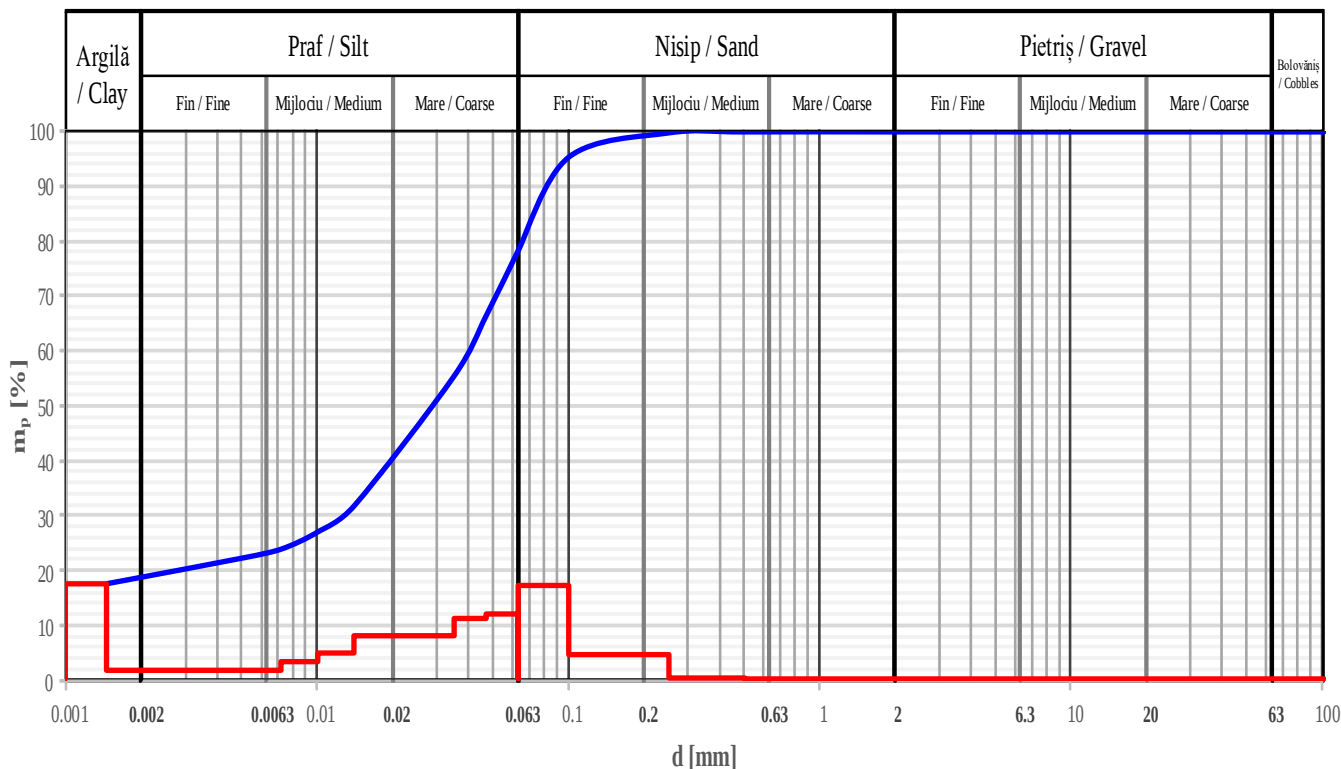


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: PODET 22
 Proba/Sample: PT 9
 Adancimea/Depth(m): 9,00

Raport de incercare nr. / Test report no.75 972



Curba granulometrica / Granulometric curve

Identificarea și clasificarea pamanturilor SR EN ISO 14688/2-2018 / SR EN ISO 14688/2-2018 / STAS 1913/5-85											
Argila prafoasa nisipoasa / Sandy silty clay (sa.si.CI)								galbuie	Un = #N/A		
Conform SR EN ISO 14688/2-2005, la cerinta beneficiarului	Pamant fin / Fine				Pamant grosier / Coarse						Pamant 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)	
	18	60			22			0			
	< 0,002	< 0,0063	< 0,02	< 0,063	< 0,2	< 0,63	< 2	< 6,3	< 20	< 63	< 200mm
%	18	5	18	37	20	2	0	0	0	0	0

CLASIFICAREA PAMANTURILOR /SR Pamant 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

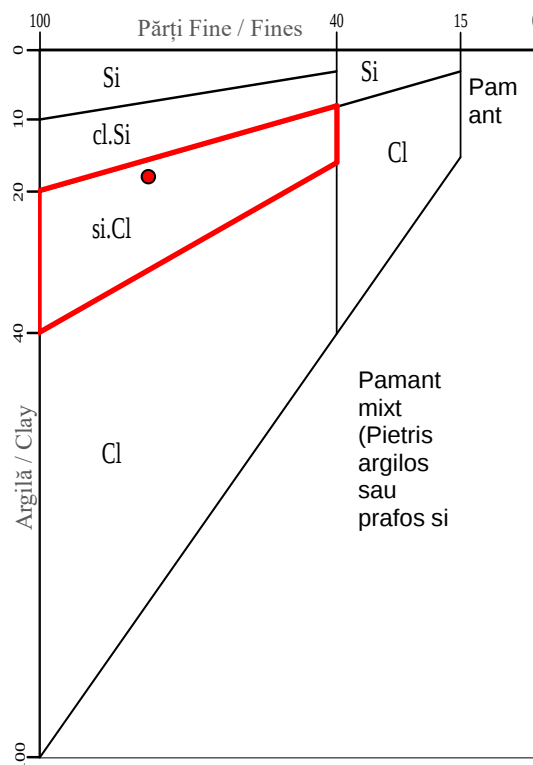
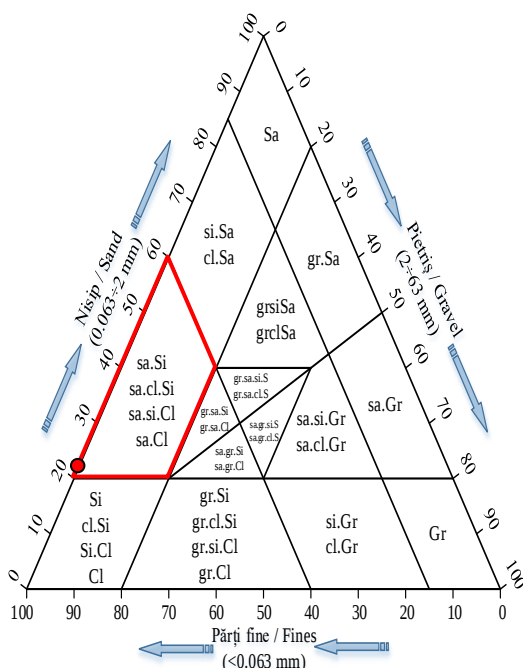


Data / Date: 12.01.2021

COD PROBA 75 972

Raport de incercare nr. / Test report no.75 972

	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	99,8
	0,10	95,4
	0,063	78,3
	0,063	78,32
	0,047	66,42
	0,035	55,35
	0,026	47,44
	0,019	39,53
	0,014	31,63
	0,010	26,88
	0,007	23,72
	0,005	22,14
	0,004	20,56
	0,003	18,97
	0,001	17,39



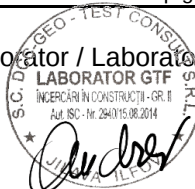
Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

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	18	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	60			Uniforma / Uniform		
Pamant grosier / Coarse	Nisip	Sa	22	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 75 972

Raport de incercare nr. / Test report no.75 973

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						
					40	31	20	13			
PROBA UMEDA + TARA A (gr)		150,00			25,85	27,61	26,19	28,42	17,34	17,49	18,12
PROBA USCATA + TARA B (gr)		117,88			22,48	23,87	22,56	24,24	16,74	16,86	17,42
TARA C (gr)					11,57	12,59	12,35	13,16	13,02	12,91	13,19
A - B		32,12			3,37	3,74	3,63	4,18	0,60	0,63	0,69
B - C		117,88			10,91	11,28	10,21	11,08	3,72	3,95	4,23
W(%) = (A-B)/(B-C)*100		27,25			30,90	33,16	35,52	37,68	16,15	15,99	16,41
W(%) MEDIU		27,25			34,44				16,19		

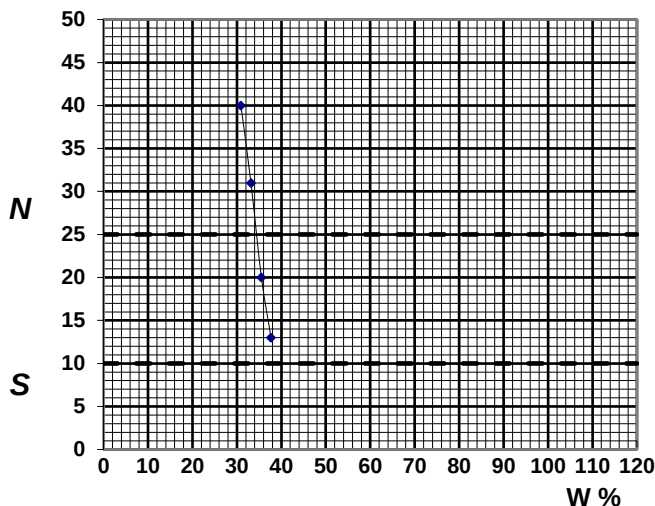
DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

Praf nisipos argilos galbui plastic moale / soft
consistency

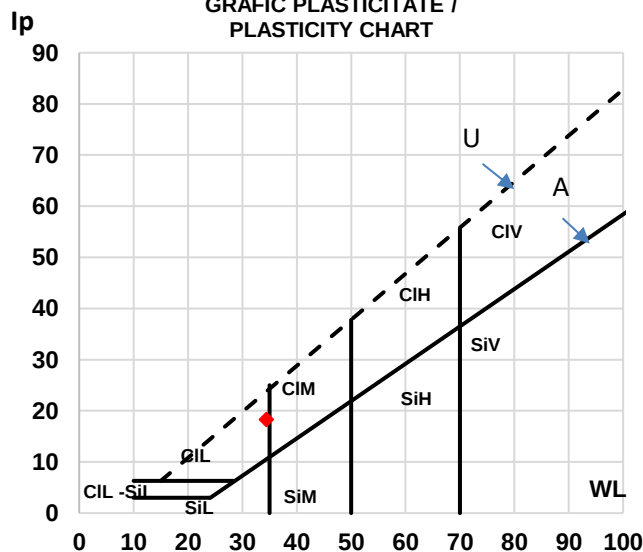
SR EN ISO 14688/1/2-2018 Pamant fin cu plasticitate redusa / Fine soil, low plasticity

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 =	16,19	%	Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit	
UMIDIT. NATUR. / NATURAL MOISTURE	W =	27,25	%	Cl Clay	Low	redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	34,44	%	Si Silt	Medium	medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	18,26	%		Heigh	mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	0,39			Very heigh	foarte mare	>70
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	0,61			O	organice	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 12.01.2021

COD PROBA 75

973

Sef Laborator / Laboratory head: Constanta ANDREI

