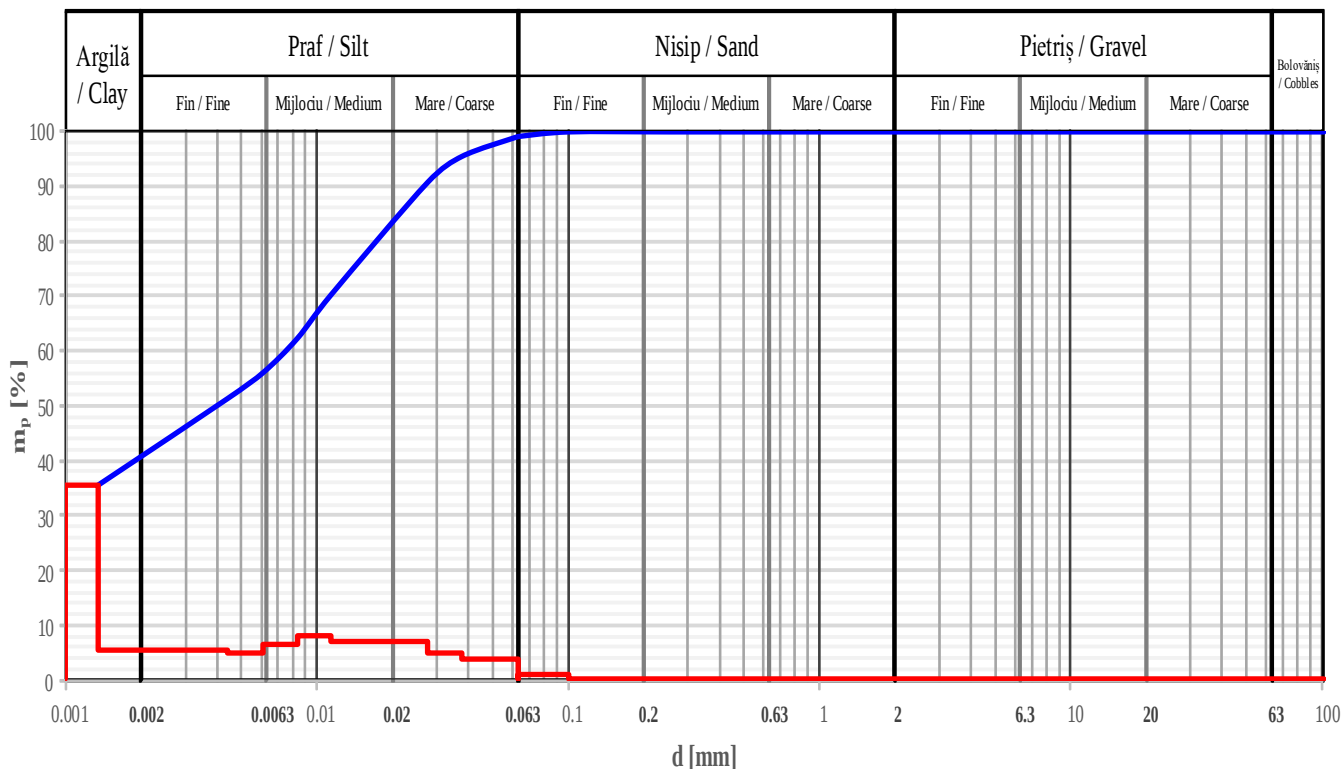


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: PODET 21
 Proba/Sample: PT 8
 Adancimea/Depth(m): 8,00

Raport de incercare nr. / Test report no.75 965



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 / Silty clay (Si.Cl)						cenusie-galbaie 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)	
	39	60			1			0			0
	< 0,002	< 0,0063	< 0,02	< 0,063	< 0,2	< 0,63	< 2	< 6,3	< 20	< 63	< 200mm
%	39	18	26	16	1	0	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

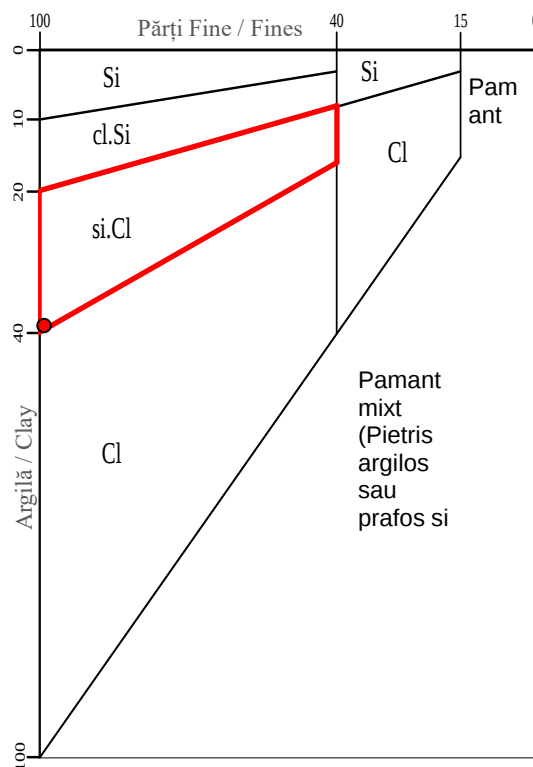
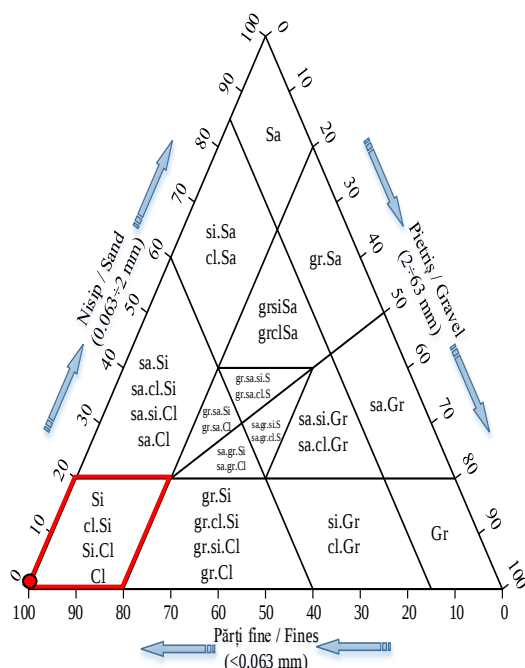


Data / Date: 12.01.2021

COD PROBA 75 965

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	d (mm)	mp (%)
CERNERE	100	100,0
CERNERE	100	100,0
CERNERE	100	100,0
CERNERE	100	100,0
CERNERE	100	100,0
CERNERE	100	100,0
CERNERE	90	100,0
CERNERE	63	100,0
CERNERE	45	100,0
CERNERE	31,5	100,0
CERNERE	22,4	100,0
CERNERE	16	100,0
CERNERE	11,2	100,0
CERNERE	5,6	100,0
CERNERE	3,15	100,0
CERNERE	2	100,0
CERNERE	0,5	100,0
CERNERE	0,25	100,0
CERNERE	0,10	100,0
CERNERE	0,063	99,2
SEDIMENTARE	0,063	99,16
SEDIMENTARE	0,038	95,51
SEDIMENTARE	0,028	90,76
SEDIMENTARE	0,020	83,91
SEDIMENTARE	0,015	77,06
SEDIMENTARE	0,011	70,21
SEDIMENTARE	0,008	62,30
SEDIMENTARE	0,006	55,97
SEDIMENTARE	0,004	51,23
SEDIMENTARE	0,003	45,96
SEDIMENTARE	0,002	40,69
SEDIMENTARE	0,001	35,42



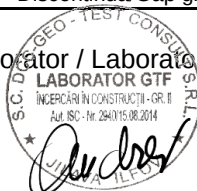
Clasificarea pamantului dupa SR EN ISO 14688-1:2018 / SR EN ISO 14688-2:2018

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	<3	<1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si					
Pamant grosier / Coarse	Nisip	Sa	3---6	<1	Uniforma / Uniform		
	Pietris	Gr	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 75 965

Raport de incercare nr. / Test report no.75 966

**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	15			
PROBA UMEDA + TARA A (gr)		150,00			26,83	28,72	27,02	29,48	16,61	16,79	17,40
PROBA USCATA + TARA B (gr)		120,63			21,25	22,64	21,33	23,01	16,00	16,12	16,68
TARA C (gr)					11,08	12,10	11,86	12,67	12,53	12,42	12,70
A - B		29,37			5,58	6,08	5,68	6,46	0,61	0,67	0,72
B - C		120,63			10,17	10,54	9,47	10,34	3,47	3,70	3,98
W(%) = (A-B)/(B-C)*100		24,35			54,90	57,65	60,04	62,53	17,53	18,05	17,97
W(%) MEDIU		24,35			59,51				17,85		

DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

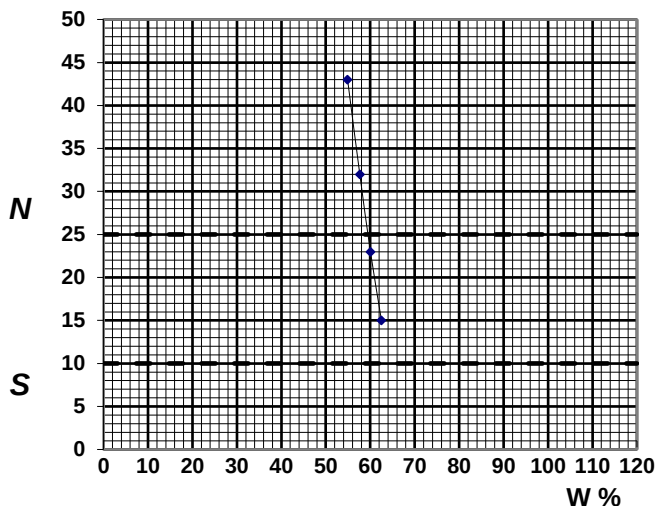
Argila cenusie-galbuie plastic vartoasa / stiff consistency

SR EN ISO 14688/1/2-2018

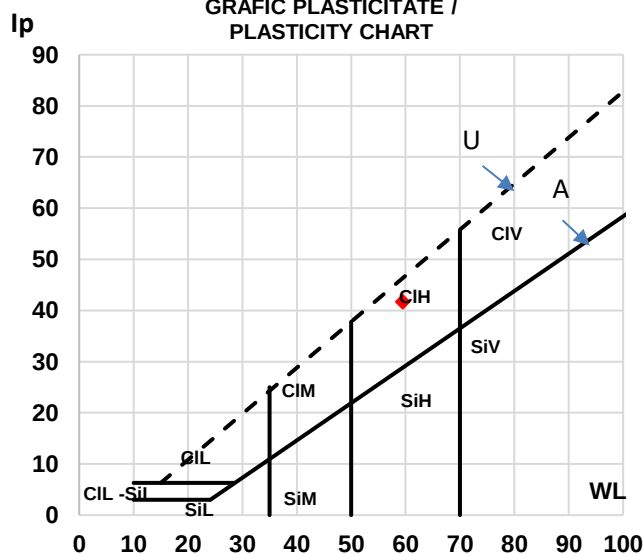
Pamant fin cu plasticitate mare / Fine soil, heigh plasticity

CIH

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 =	17,85	%	Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit	
UMIDIT. NATUR. / NATURAL MOISTURE	W =	24,35	%	Cl Clay	Low	redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	59,51	%	Si Silt	Medium	medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	41,65	%		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 - WP) / I _P	0,16			O	organig	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 12.01.2021

COD PROBA 75

966

Sef Laborator / Laboratory head: Constanta ANDREI

