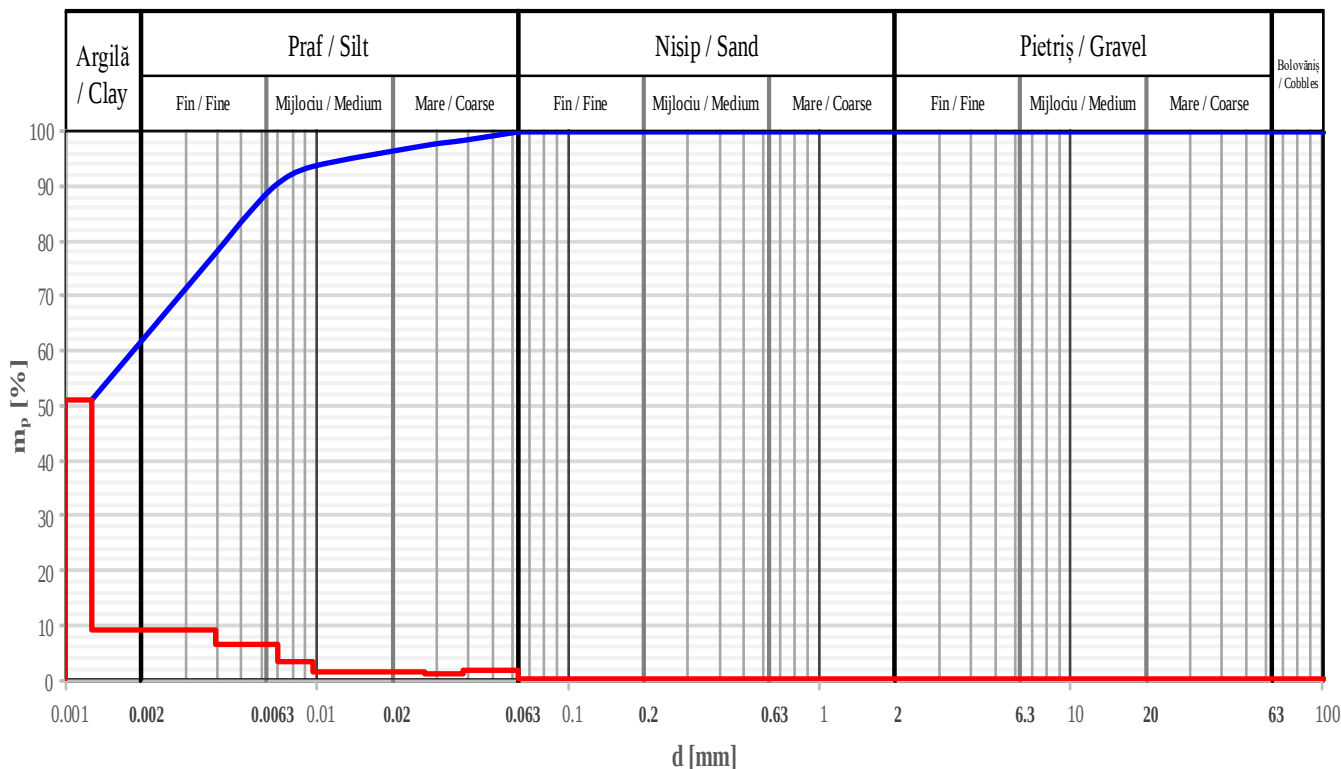


DCC-GEO-TEST CONSULT S.R.L.
 LABORATOR DE ANALIZE ȘI ÎNCERCĂRI
 ÎN CONSTRUCȚII - GRAD II
 Autorizație nr. 2940 din 15.08.2014/24.08.2018

Amplasament / Location: Reabilitarea liniei de cale ferata Roman – Iasi - Frontiera
 Forajul/Borehole: FTS 63
 Proba/Sample: PT 3
 Adancimea/Depth(m): 3,00

Raport de incercare nr. / Test report no.75 1208

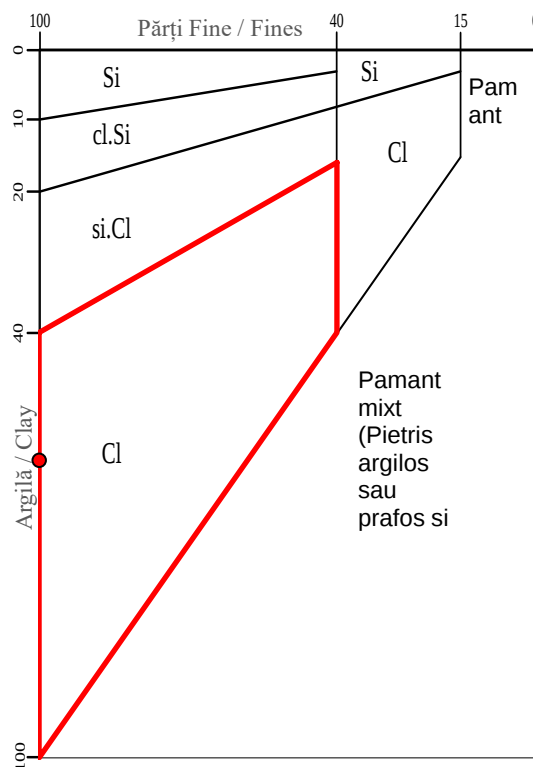
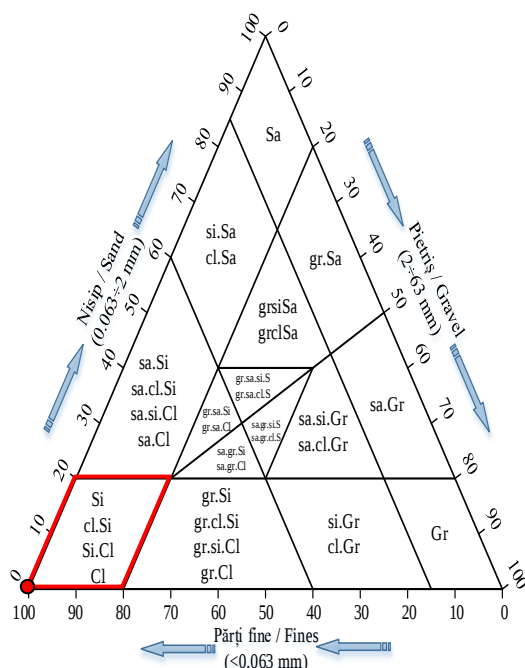


Curba granulometrica / Granulometric curve

Identificarea si clasificarea pamanturilor SR EN ISO 14688/2-2018 / SR EN ISO 14688/2-2018 / STAS 1913/5-85											
Argila / Clay (Cl)											

Raport de incercare nr. / Test report no.75 1208

	d (mm)	mp (%)
	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
	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	96,23
	0,014	94,96
	0,010	93,70
	0,007	90,53
	0,005	84,21
	0,004	77,88
	0,003	68,92
	0,002	59,96
	0,001	51,00



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	58	<3	< 1	Foarte uniforma / Very uniform	#N/A	#####
	Praf	Si	42					
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 1208

Raport de incercare nr. / Test report no.75 1209

**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	21	15			
PROBA UMEDA + TARA A (gr)		150,00			29,07	31,05	29,05	31,71	16,70	16,86	17,53
PROBA USCATA + TARA B (gr)		115,97			20,88	22,27	20,96	22,64	15,69	15,81	16,37
TARA C (gr)					10,80	11,82	11,58	12,39	12,25	12,14	12,42
A - B		34,03			8,18	8,77	8,08	9,07	1,01	1,05	1,17
B - C		115,97			10,09	10,46	9,39	10,26	3,44	3,67	3,95
W(%) = (A-B)/(B-C)*100		29,34			81,10	83,87	86,08	88,39	29,28	28,61	29,49
W(%) MEDIU		29,34			85,28				29,13		

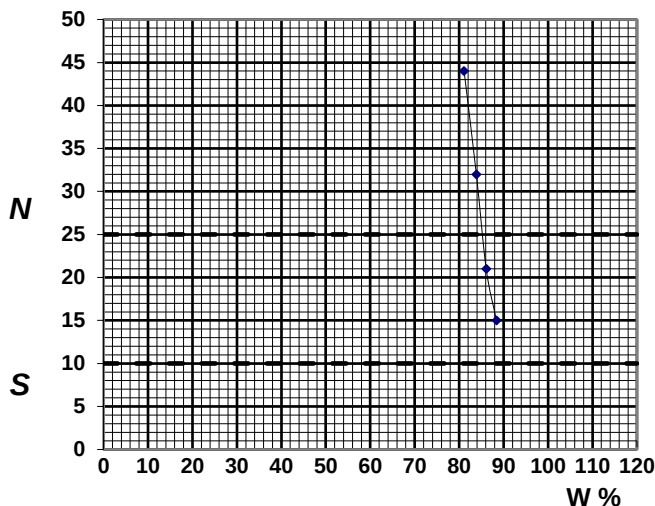
DESCRIEREA PROBEI /
DESCRIPTION OF THE SOIL:

Argila cenușiu-galbuie cu Mo plastic vartoasa / stiff consistency

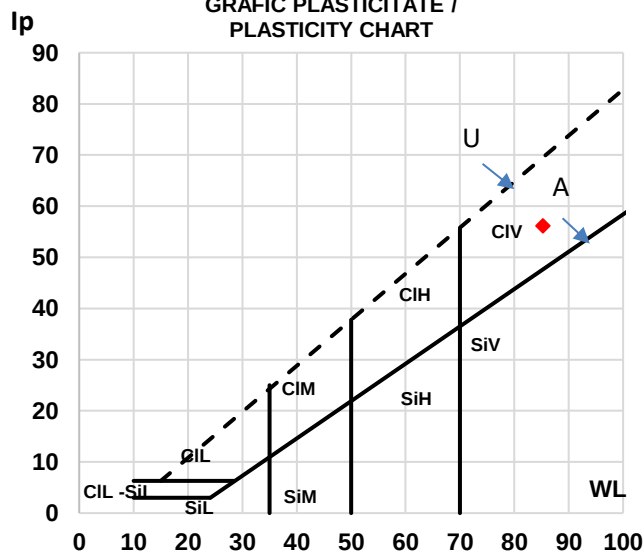
SR EN ISO 14688/1/2-2018 Pamant fin cu plasticitate foarte mare / Fine soil, very high plasticity

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 =	29,13	%		Tip pamant / Type of Soil	Plasticitate / Plasticity	Limita de curgere / Liquid limit
UMIDIT. NATUR. / NATURAL MOISTURE	W =	29,34	%		Cl Clay	Low redusa	<35
LIMITA DE CURGERE / LIQUID LIMIT	W _L =	85,28	%		Si Silt	Medium medie	35----50
INDICE DE PLASTICIT./PLASTICITY INDEX	I _P =W _L -W _P	56,15	%			Heigh mare	50----70
INDICE DE CONSISTENȚĂ / CONSISTENCY INDEX	I _C = (W _L - W) / I _P	1,00				Very heigh mare	>70
INDICE DE LICHIDITATE/ LIQUIDITY INDEX	I _L = (W - W _P) / I _P	0,00				O organig	

Executat de / Performed by: Laborant Emilia Dumitru

Data / Date: 14.01.2021

COD PROBA 75

1209

Sef Laborator / Laboratory head: Constanta ANDREI

