geotesting® STUDII GEOTEHNICE ŞI GEOFIZICE

Profilul ~~Santului~~ Forajului / Borehole ~~Pit~~ Profile Nr. S4-FD-49 bis

REZULTATELE ANALIZELOR DE LABORATOR
LABORATORY TEST RESULTS

LUCRAREA / DESIGN: Studiu geotehnic pentru revizuirea Studiului de fezabilitate Autostrada Sibiu-Pitesti - Sectiunea 4 (Valeni-Curtea de Arges)

AMPLASAMENT / LOCATION: Autostrada Sibiu-Pitesti
X : 464753.87 Y: 411458.71

DATA / DATE: 29.08.2016

Cota fata de / Level vs: 0.00 — Foraj / Borehole (pit)

Borcan / Jar ☐; Stut / Tube ☒; Carota / Core ■

Cota (m)	Grosimea stratului / Stratum thickness (m)	Adancimea apei subterane / Underground water depth (m)	Denumirea stratului (conform Stas 1243-88 si SR EN ISO 14688/2-2005) / Stratum description
0.10	0.10		Pamant vegetal.
1.50	1.40		Nisip cafeniu.
3.40	1.90	1.90	Pietris cu nisip, galbui - cenusiu si rar bolovanis.
6.00	2.60		Nisip argilos, galbui - cafeniu, cu intercalatii subtiri de nisip cenusiu.

Compozitie granulometrica (d. in mm) SR EN ISO 14688/2-2005 / Particle size distribution SR EN ISO 14688/2-2005

Numarul probelor / Number and type of samples	Adancimea / Depth (m)	Argila / Clay <0.002	Praf / Silt 0.063	Nisip fin / Fine sand 0.2	Nisip mediu / Medium sand 0.63	Nisip mare / Coarse sand 2	Pietris mic / Small gravel 6.3	Pietris mediu / Medium gravel 20	Pietris mare / Coarse gravel 63	Bolovanis / Cobbles 200	Coeficientul de neuniformitate / Non-uniformity coefficient Un=d60/d10	Limita de curgere / Liquid limit W_L	Limita de plasticitate / Plastic limit W_P	Indicele de plasticitate / Plasticity index I_P	Umiditatea / Water content w %
1 (Tube)	1.6-2.0	2	5	5	6	7	11	23	41		>15				1.98
2 (Tube)	5.35-5.55	8	18	27	36	11					>15				14.7 15.3

Numarul probelor	Indicele de consistenta / Consistency index I_C	Densitatea scheletului mineral / Skeletal mineral density ρ_s	Greutatea volumica / Unit weight γ (kN/m³)	Greutatea volumica in stare uscata / Unit dry weight γ_d (kN/m³)	Porozitatea / Porosity n %	Indicele porilor / Void ratio e	Gradul de umiditate / Degree of saturation Sr	Modulul de deformatie edometrica / Oedometer deformation modulus $M_{200-300}$ kPa	Tasare specifica la 200 kPa / Specific settlement at 200 kPa ε_{200} %	Coeficientul de compresibilitate / Coefficient of compressibility $a_{200-300}$ 1/kPa
2			21.6	18.7	29.31	0.42	0.98	18950.4	2.00	0.00008

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