



ORDER	24.002.01
Sample ID	
Depth (m)	11.00-12.00
Test	SPECIFIC GRAV.
Cert./date	24.0102

TEST CERTIFICATE N°: 24.0102	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: BH14	SAMPLE: C1	DEPTH: m 11.00-12.00	
<u>SPECIFIC GRAVITY</u>			
Methods: Standard ASTM D854-23			

γ_s = Specific gravity (average of 2 measurements) (kN/m³) = 26,7 kN/m³

γ_{sc} = Specific gravity at 20° (kN/m³) = 26,7 kN/m³

Method: A B

Pycnometer size: 100 ml

Test temperature: 23,9 °C

Certificate code: FO-116/02-005GS-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

Experimenter
Dott. Daniel Del Negro





ORDER	24.002.01
Sample ID	
Depth (m)	11.00-12.00
Test	ATTERBERG L.
Cert./date	24.0103

TEST CERTIFICATE N°: 24.0103	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

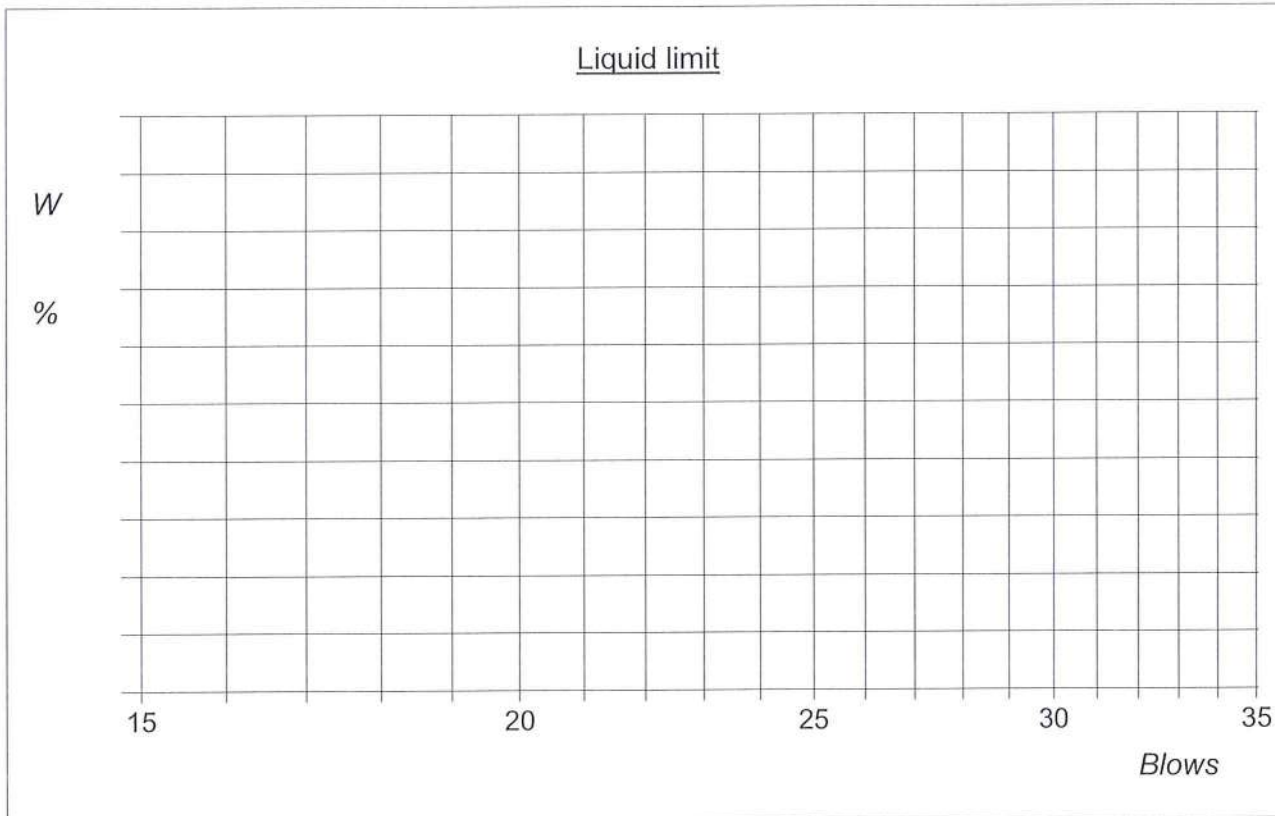
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH14	SAMPLE: C1 DEPTH: m 11.00-12.00

ATTERBERG LIMITS

Methods: Standard ASTM D4318-17e1

Liquid limit	Not determinable
Plastic limit	Not plastic
Plasticity index	- - -

LIQUID LIMIT					PLASTIC LIMIT		
Blows					Water content		
Water content					Mean water content		



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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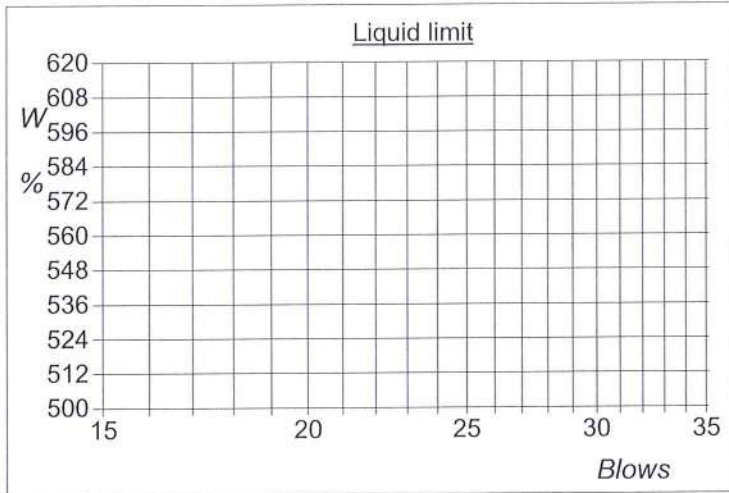
ORDER	24.002.01
Sample ID	
Depth (m)	11.00-12.00
Test	ATTERBERG L.
Cert./date	24.0103

TEST CERTIFICATE N°: 24.0103	Allegato 1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: BH14	SAMPLE: C1	DEPTH: m 11.00-12.00	

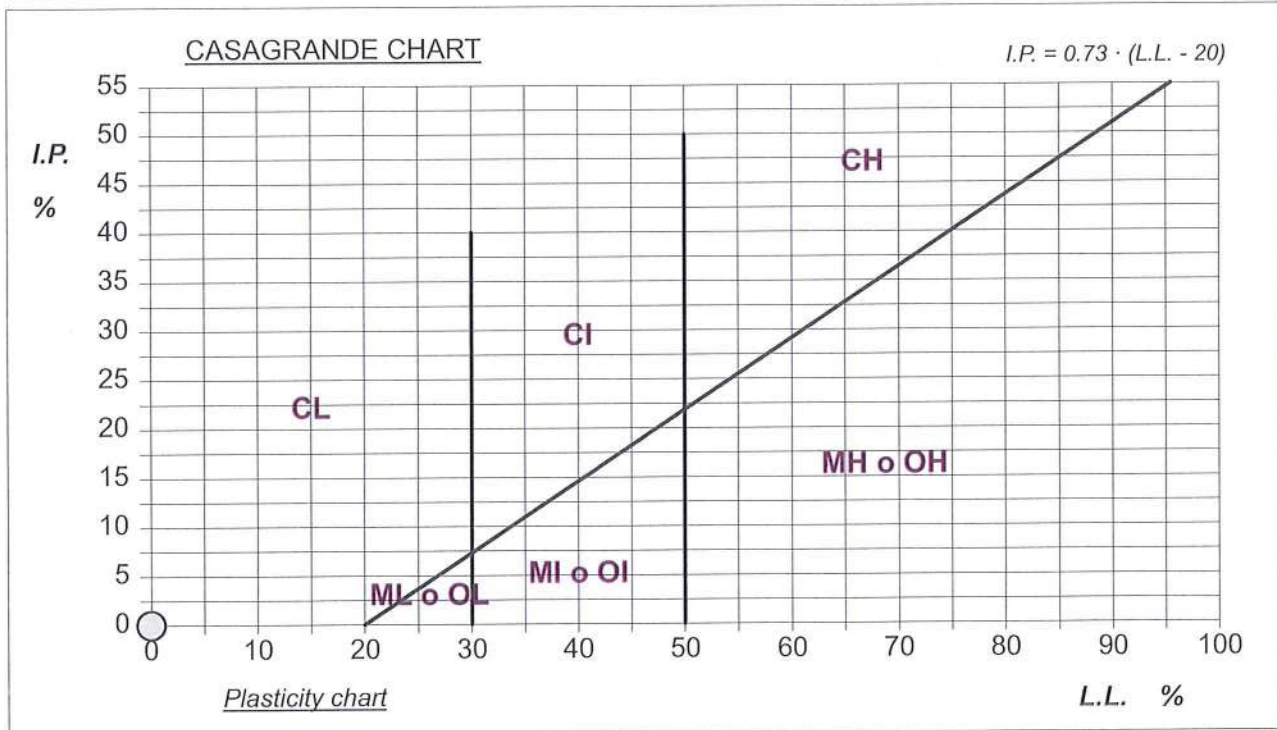
CASAGRANDE CHART

Methods: Standard ASTM D4318-17e1

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index		%
Liquidity index		
Passing the n. 40 sieve		



C - Inorganic clays	L - Low compressibility
M - Inorganic silts	I - Medium compressibility
O - Organic soils	H - High compressibility



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory





ORDER	24.002.01
Sample ID	
Depth (m)	11.00-12.00
Test	GRAIN SIZE AN.
Cert./date	24.0104 03/06/24

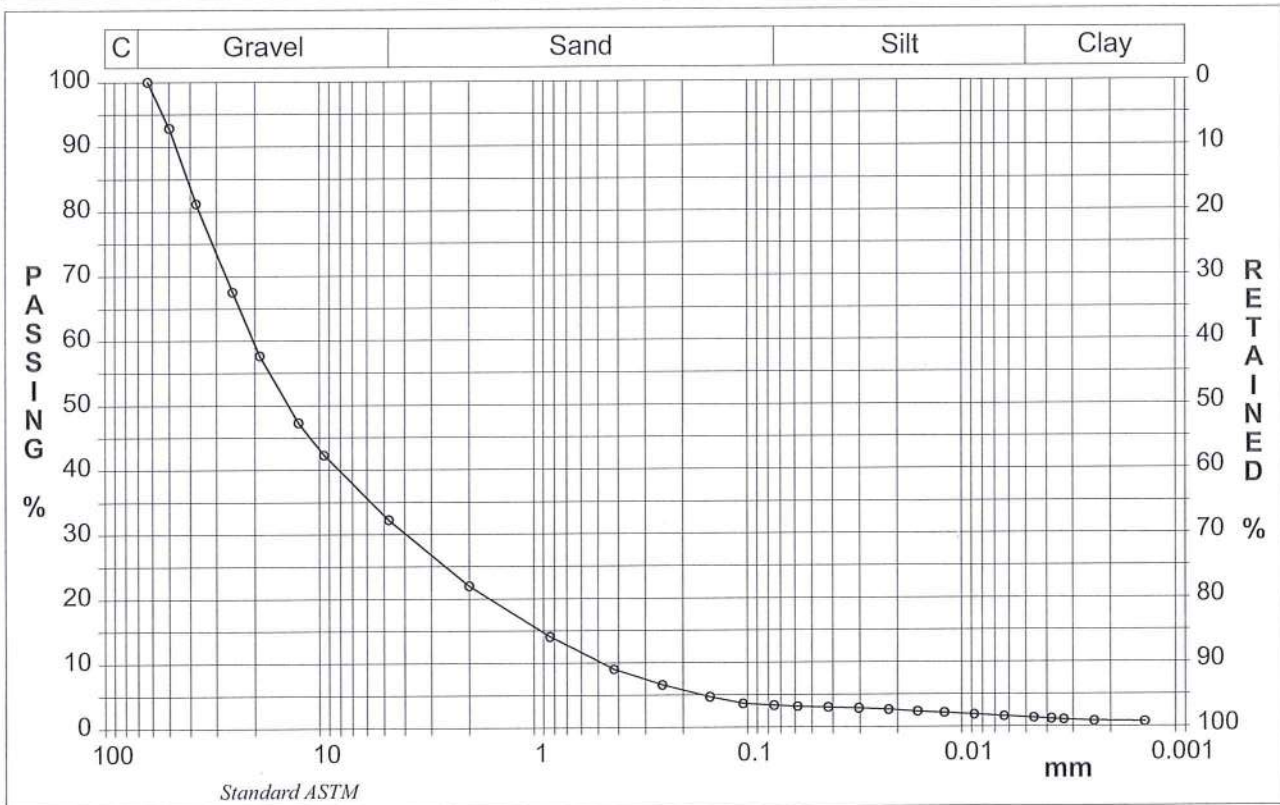
TEST CERTIFICATE N°: 24.0104	Page 1/1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH14	SAMPLE: C1 DEPTH: m 11.00-12.00

GRAIN SIZE ANALYSIS

Methods: Standard ASTM D6913/D6913M-17

Gravel	67,8 %	Passing n. 10 sieve (2 mm)	22,0 %	D10	0,48029 mm
Sand	28,8 %	Passing n. 40 sieve (0.42 mm)	9,0 %	D30	3,93478 mm
Silt	2,0 %	Passing n. 200 sieve (0.075 mm)	3,4 %	D50	13,95193 mm
Clay	1,4 %			D60	20,35503 mm
Coefficient of uniformity	42,38	Coefficient of curvature	1,58	D90	46,57836 mm



Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %
63,0000	100,00	12,5000	47,28	0,4200	9,02	0,0583	3,21	0,0120	2,14
50,0000	92,89	9,5200	42,26	0,2500	6,58	0,0421	3,05	0,0087	1,87
37,5000	81,16	4,7500	32,23	0,1500	4,71	0,0303	2,88	0,0063	1,60
25,4000	67,54	2,0000	21,98	0,1050	3,68	0,0220	2,67	0,0046	1,34
19,0000	57,65	0,8410	14,07	0,0750	3,35	0,0161	2,35	0,0038	1,18

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

Experimenter
 Dott. Daniel Del Negro

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Laboratory Manager
 Dott. Andrea Forlani



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LT 090 06.03.23

ORDER	24.002.01
Sample ID	BH15-1-C1
Depth (m)	4.00-5.00
Test	WATER CONTENT
Cert./date	24.0125 20/06/2024

TEST CERTIFICATE N°: 24.0125	Page 1/1	Issue date: 20/06/2024	Start date: 18/06/24
Acceptance note n°: 0006	date: 12/06/24	Sample opening: 12/06/24	End date: 19/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH15-1	SAMPLE: C1	DEPTH: m 4.00-5.00

WATER CONTENT

Methods: Standard ASTM D2216-19

Wn = Natural water content = 2,9 %

Soil structure:

- Homogeneous
 Stratified
 Not homogeneous

Drying temperature: 110 °C

Certificate code: FO-116/02-003UMID-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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ORDER	24.002.01
Sample ID	BH15-1-C1
Depth (m)	4.00-5.00
Test	SPECIFIC GRAV.
Cert./date	24.0126 20/06/2024

TEST CERTIFICATE N°: 24.0126	Page 1/1	Issue date: 20/06/2024	Start date: 18/06/24
Acceptance note n°: 0006	date: 12/06/24	Sample opening: 12/06/24	End date: 18/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH15-1	SAMPLE: C1 DEPTH: m 4.00-5.00

SPECIFIC GRAVITY

Methods: Standard ASTM D854-23

γ_s = Specific gravity (average of 2 measurements) (kN/m³) = 26,2 kN/m³

γ_{sc} = Specific gravity at 20° (kN/m³) = 26,2 kN/m³

Method: A B

Pycnometer size: 100 ml

Test temperature: 24,5 °C

Certificate code: FO-116/02-005GS-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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ORDER	24.002.01
Sample ID	BH15-1-C1
Depth (m)	4.00-5.00
Test	ATTERBERG L.
Cert./date	24.0127 20/06/2024

TEST CERTIFICATE N°: 24.0127	Page 1/1	Issue date: 20/06/2024	Start date: 18/06/24
Acceptance note n°: 0006	date: 12/06/24	Sample opening: 12/06/24	End date: 19/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH15-1	SAMPLE: C1 DEPTH: m 4.00-5.00

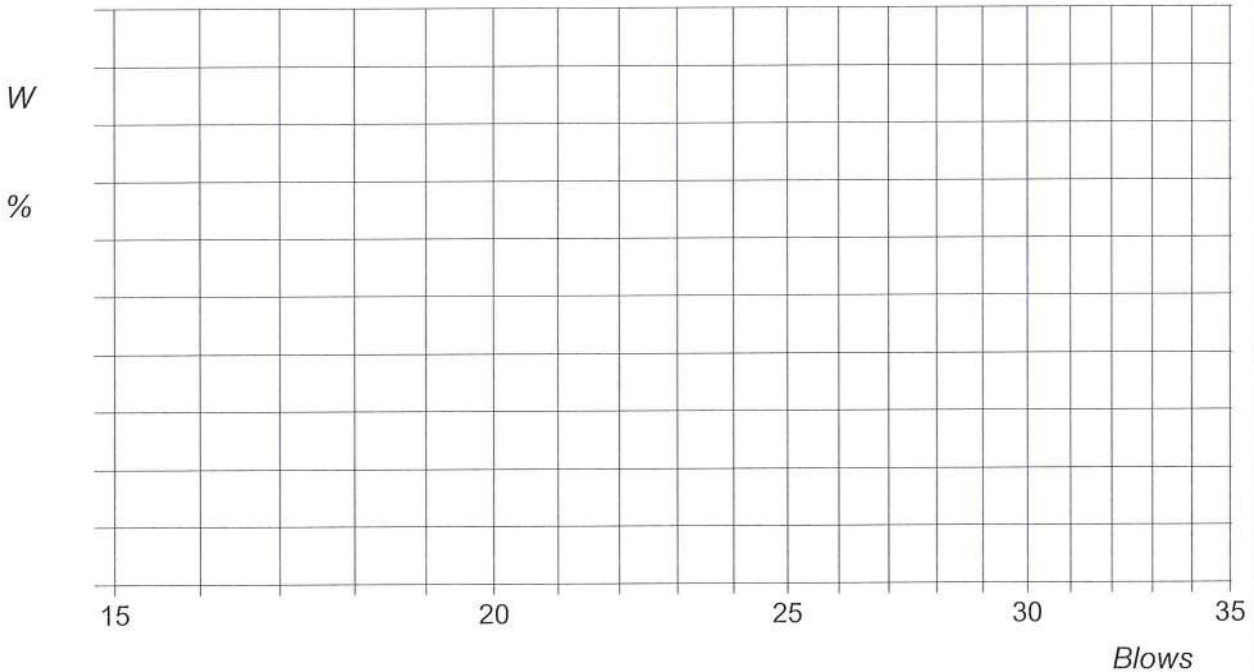
ATTERBERG LIMITS

Methods: Standard ASTM D4318-17e1

Liquid limit	Not determinable
Plastic limit	Not plastic
Plasticity index	- - -

LIQUID LIMIT					PLASTIC LIMIT		
Blows					Water content		
Water content					Mean water content		

Liquid limit



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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ORDER	24.002.01
Sample ID	BH15-1-C1
Depth (m)	4.00-5.00
Test	ATTERBERG L.
Cert./date	24.0127 20/06/2024

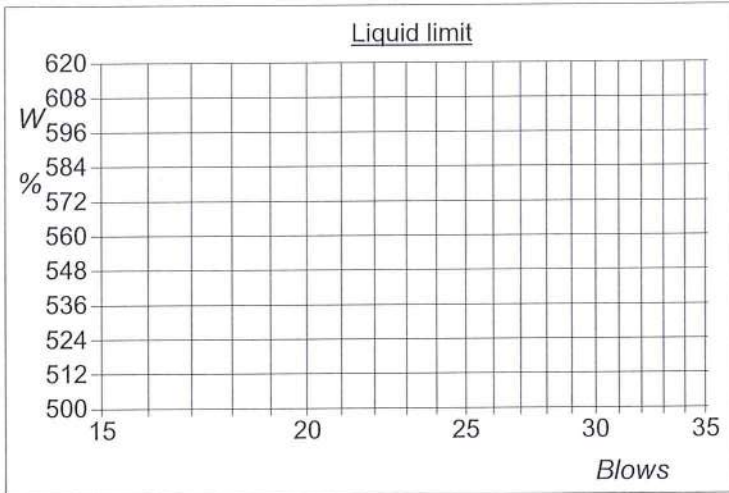
TEST CERTIFICATE N°: 24.0127	Allegato 1	Issue date: 20/06/2024	Start date: 18/06/24
Acceptance note n°: 0006	date: 12/06/24	Sample opening: 12/06/24	End date: 19/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH15-1	SAMPLE: C1 DEPTH: m 4.00-5.00

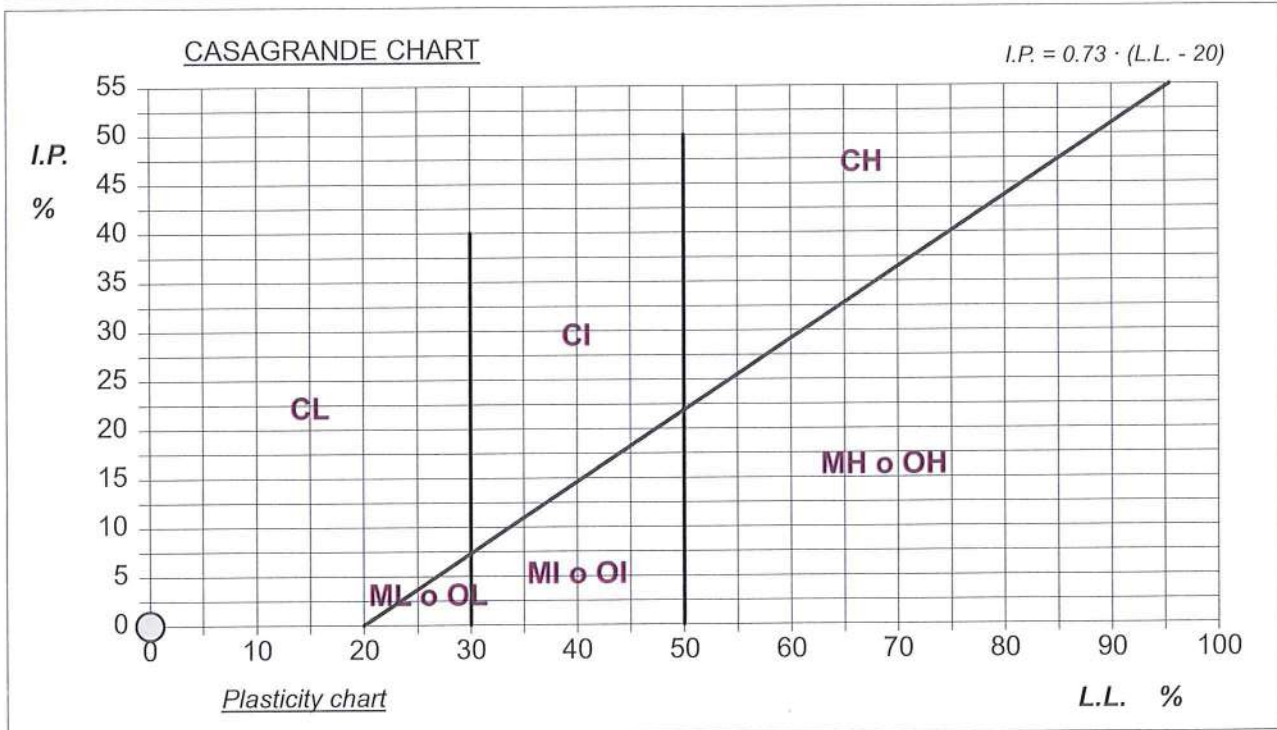
CASAGRANDE CHART

Methods: Standard ASTM D4318-17e1

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index		%
Liquidity index		
Passing the n. 40 sieve		



C - Inorganic clays	L - Low compressibility
M - Inorganic silts	I - Medium compressibility
O - Organic soils	H - High compressibility



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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ORDER	24.002.01
Sample ID	BH15-1-C1
Depth (m)	4.00-5.00
Test	GRAIN SIZE AN.
Cert./date	24.0128 20/06/2024

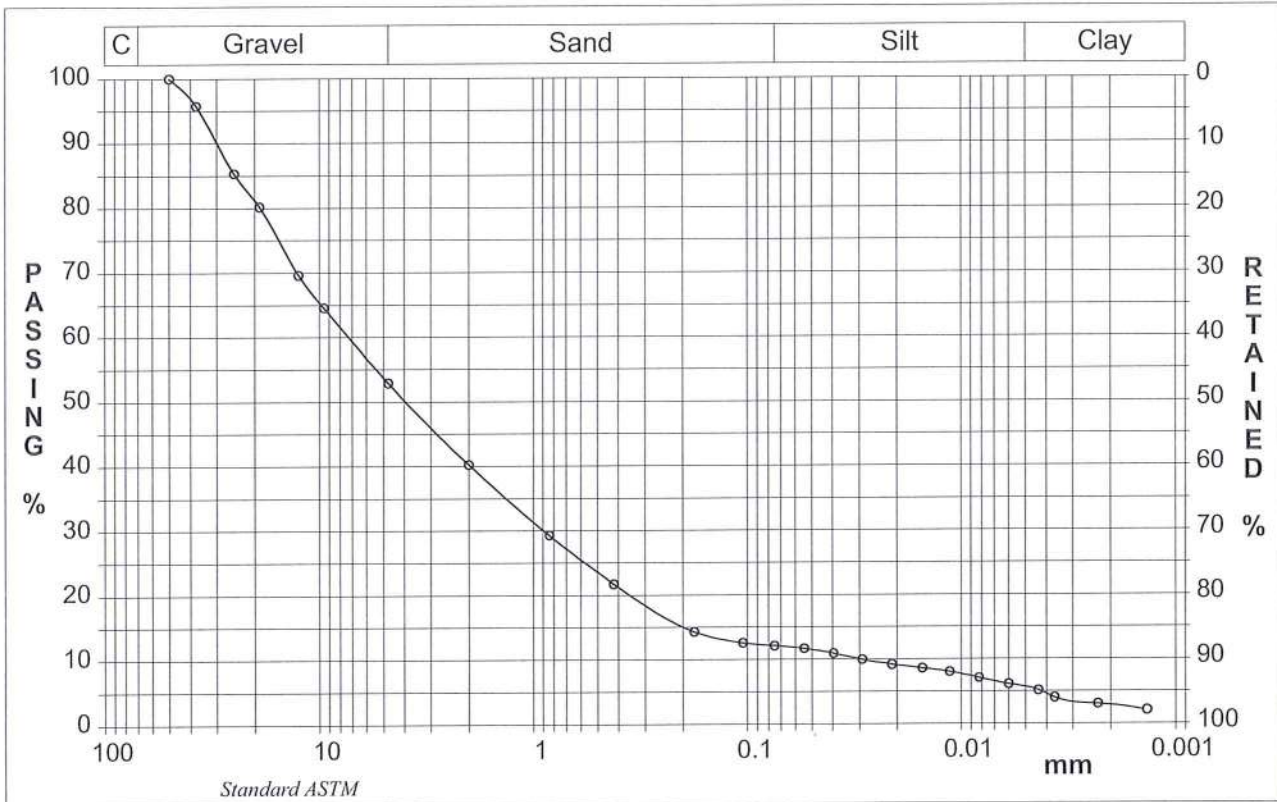
TEST CERTIFICATE N°: 24.0128	Page 1/1	Issue date: 20/06/2024	Start date: 18/06/24
Acceptance note n°: 0006	date: 12/06/24	Sample opening: 12/06/24	End date: 20/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH15-1	SAMPLE: C1 DEPTH: m 4.00-5.00

GRAIN SIZE ANALYSIS

Methods: Standard ASTM D6913/D6913M-17

Gravel	47,1 %	Passing n. 10 sieve (2 mm)	40,2 %	D10	0,02946 mm
Sand	40,8 %	Passing n. 40 sieve (0.42 mm)	21,7 %	D30	0,88979 mm
Silt	6,5 %	Passing n. 200 sieve (0.075 mm)	12,1 %	D50	3,89705 mm
Clay	5,6 %			D60	7,25881 mm
Coefficient of uniformity	246,40	Coefficient of curvature	3,70	D90	29,96197 mm



Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %
50,0000	100,00	9,5200	64,54	0,1770	14,29	0,0291	9,96	0,0060	6,11
37,5000	95,79	4,7500	52,89	0,1050	12,58	0,0211	9,19	0,0044	5,15
25,0000	85,33	2,0000	40,25	0,0750	12,11	0,0152	8,61	0,0037	4,00
19,0000	80,17	0,8410	29,29	0,0544	11,69	0,0113	8,04	0,0023	3,04
12,5000	69,59	0,4200	21,70	0,0397	10,92	0,0082	7,07	0,0014	2,08

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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ORDER	24.002.01
Sample ID	
Depth (m)	9.00-10.00
Test	WATER CONTENT
Cert./date	24.0105

TEST CERTIFICATE N°: 24.0105	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH15	SAMPLE: C1	DEPTH: m 9.00-10.00

WATER CONTENT

Methods: Standard ASTM D2216-19

W_n = Natural water content = 3,5 %

Soil structure:

- Homogeneous
 Stratified
 Not homogeneous

Drying temperature: 110 °C

Certificate code: FO-116/02-003UMID-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

Experimenter
Dott. Daniel Del Negro





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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	9.00-10.00
Test	SPECIFIC GRAV.
Cert./date	24.0106

TEST CERTIFICATE N°: 24.0106	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH15	SAMPLE: C1	DEPTH: m 9.00-10.00

SPECIFIC GRAVITY

Methods: Standard ASTM D854-23

γ_s = Specific gravity (average of 2 measurements) (kN/m³) = 25,8 kN/m³

γ_{sc} = Specific gravity at 20° (kN/m³) = 25,8 kN/m³

Method: A B

Pycnometer size: 100 ml

Test temperature: 20,0 °C

Certificate code: FO-116/02-005GS-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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Dott. Daniel Del Negro





ORDER	24.002.01
Sample ID	
Depth (m)	9.00-10.00
Test	ATTERBERG L.
Cert./date	24.0107

TEST CERTIFICATE N°: 24.0107	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH15	SAMPLE: C1	DEPTH: m 9.00-10.00

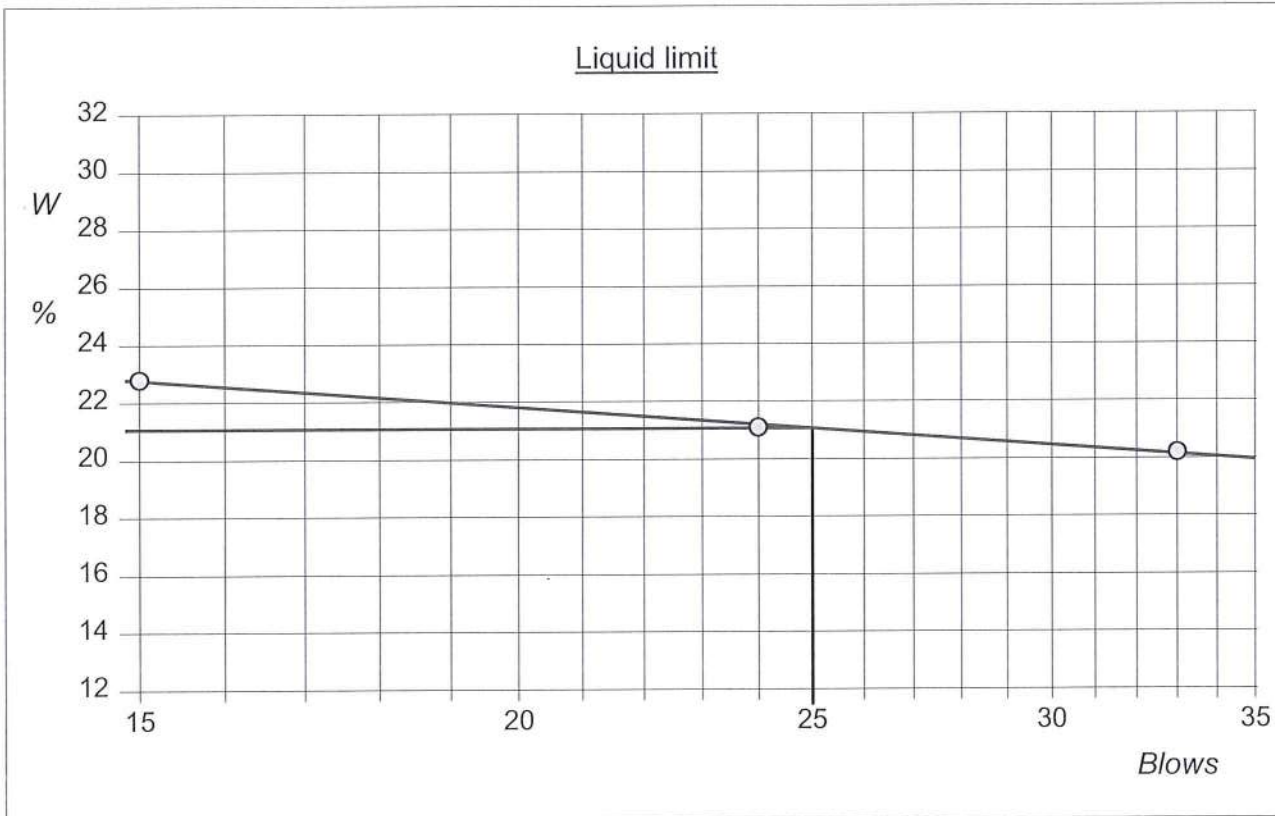
ATTERBERG LIMITS

Methods: Standard ASTM D4318-17e1

Liquid limit	21 %
Plastic limit	17 %
Plasticity index	4 %

The liquid and plastic limits have been performed on the material passing n° 40 (0.42 mm) sieve

LIQUID LIMIT					PLASTIC LIMIT		
Blows	15	24	33		Water content	16,7	17,0
Water content	22,8	21,1	20,2		Mean water content	16,9	



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

Experimenter
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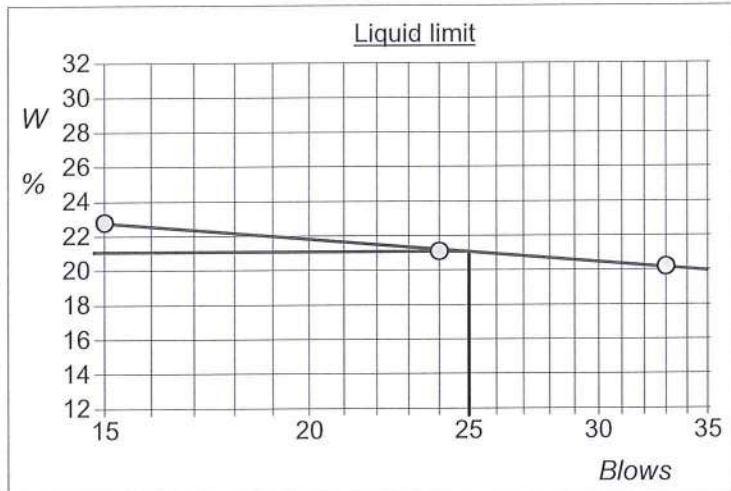
ORDER	24.002.01
Sample ID	
Depth (m)	9.00-10.00
Test	ATTERBERG L.
Cert./date	24.0107

TEST CERTIFICATE N°: 24.0107	Allegato 1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: BH15	SAMPLE: C1	DEPTH: m 9.00-10.00	

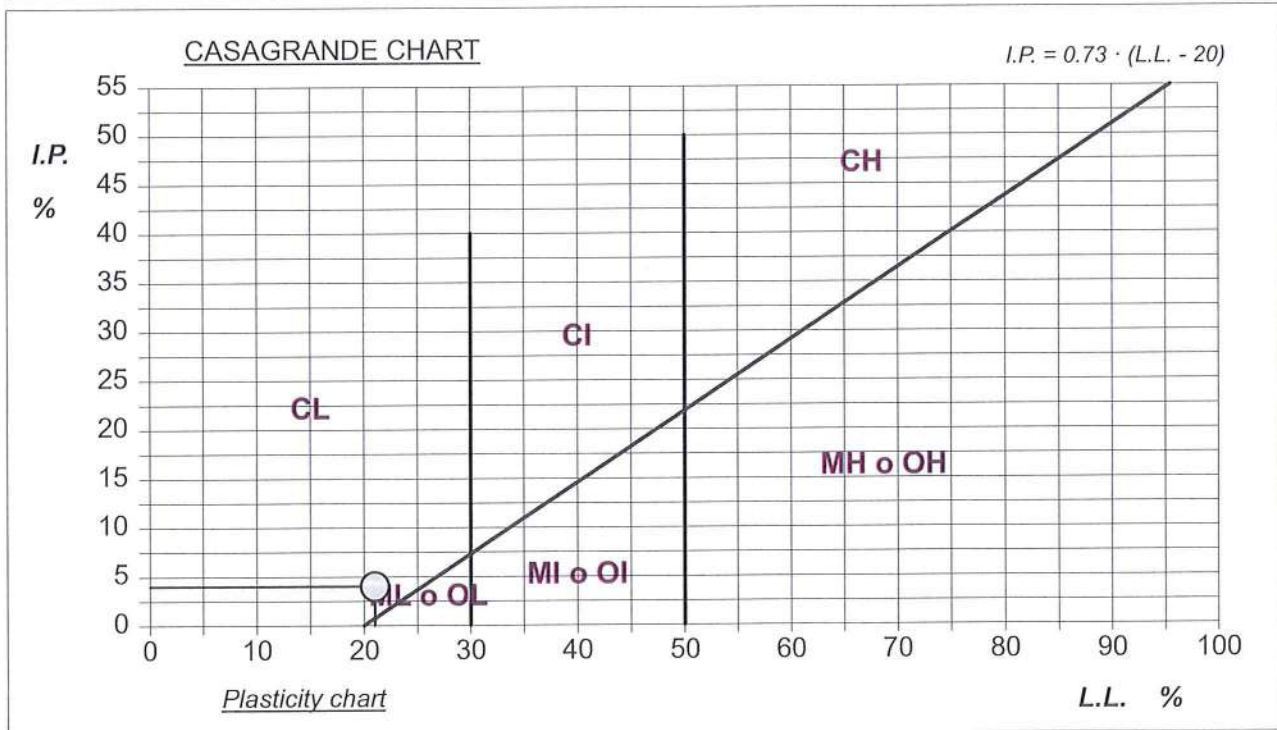
CASAGRANDE CHART

Methods: Standard ASTM D4318-17e1

Liquid limit	21	%
Plastic limit	17	%
Plasticity index	4	%
Liquidity index	4,38	
Passing the n. 40 sieve	YES	



C - Inorganic clays	L - Low compressibility
M - Inorganic silts	I - Medium compressibility
O - Organic soils	H - High compressibility



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

Experimenter
 Dott. Daniel Del Negro





ORDER	24.002.01
Sample ID	
Depth (m)	9.00-10.00
Test	GRAIN SIZE AN.
Cert./date	24.0108 03/06/24

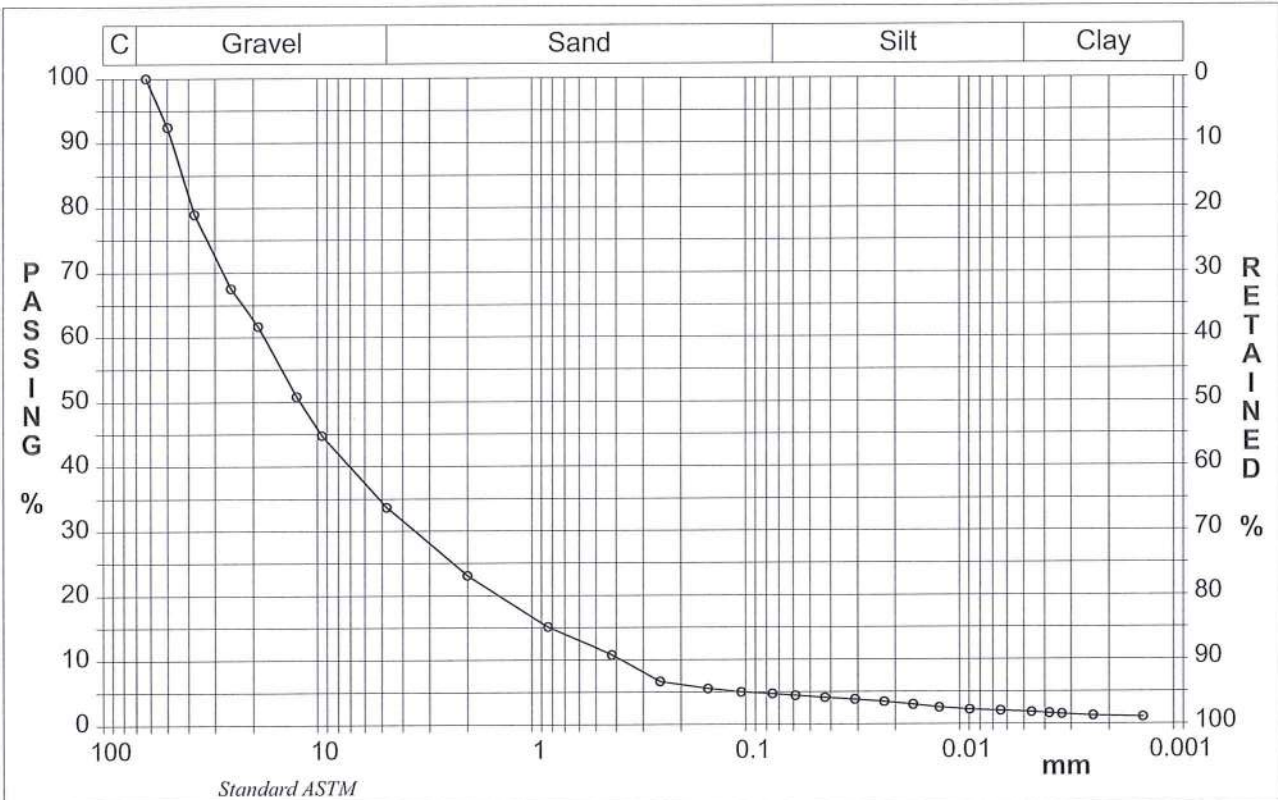
TEST CERTIFICATE N°: 24.0108	Page 1/1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH15	SAMPLE: C1 DEPTH: m 9.00-10.00

GRAIN SIZE ANALYSIS

Methods: Standard ASTM D6913/D6913M-17

Gravel	66,3 %	Passing n. 10 sieve (2 mm)	23,1 %	D10	0,38014 mm
Sand	29,0 %	Passing n. 40 sieve (0.42 mm)	10,8 %	D30	3,51983 mm
Silt	2,8 %	Passing n. 200 sieve (0.075 mm)	4,7 %	D50	12,04785 mm
Clay	1,9 %			D60	17,80969 mm
Coefficient of uniformity	46,85	Coefficient of curvature	1,83	D90	47,44829 mm



Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %
63,0000	100,00	12,5000	50,82	0,4200	10,79	0,0587	4,45	0,0124	2,57
50,0000	92,45	9,5200	44,77	0,2500	6,67	0,0426	4,15	0,0090	2,26
37,5000	78,98	4,7500	33,67	0,1500	5,53	0,0309	3,85	0,0064	2,04
25,4000	67,55	2,0000	23,07	0,1050	5,01	0,0225	3,47	0,0046	1,81
19,0000	61,68	0,8410	15,14	0,0750	4,74	0,0165	3,02	0,0038	1,66

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

Experimenter
 Dott. Daniel Del Negro

GEOTEST_{shpk}

Geotechnical and Material Laboratory and Consulting

Laboratory Manager

Dott. Andrea Forlani

Autostrada Tiranë - Durrës Km 2, Mëzeq, Tiranë (AL)



ORDER	24.002.01
Sample ID	
Depth (m)	6.00-7.00
Test	WATER CONTENT
Cert./date	24.0109

TEST CERTIFICATE N°: 24.0109	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: BH18	SAMPLE: C1	DEPTH: m 6.00-7.00	
<u>WATER CONTENT</u>			
Methods: Standard ASTM D2216-19			

Wn = Natural water content = 5,1 %

Soil structure:

Homogeneous
 Stratified
 Not homogeneous

Drying temperature: 110 °C

Certificate code: FO-116/02-003UMID-T / RIP:03-16/03/2023 / CIRC: 16/03/2023
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 Test location: Laboratory

Experimenter
 Dott. Daniel Del Negro





ORDER	24.002.01
Sample ID	
Depth (m)	6.00-7.00
Test	SPECIFIC GRAV.
Cert./date	24.0110

TEST CERTIFICATE N°: 24.0110	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH18	SAMPLE: C1 DEPTH: m 6.00-7.00

SPECIFIC GRAVITY

Methods: Standard ASTM D854-23

γ_s = Specific gravity (average of 2 measurements) (kN/m³) = 27,0 kN/m³

γ_{sc} = Specific gravity at 20° (kN/m³) = 27,0 kN/m³

Method: A B

Pycnometer size: 100 ml

Test temperature: 25,8 °C

Certificate code: FO-116/02-005GS-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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ORDER	24.002.01
Sample ID	
Depth (m)	6.00-7.00
Test	ATTERBERG L.
Cert./date	24.0111

TEST CERTIFICATE N°: 24.0111	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH18	SAMPLE: C1 DEPTH: m 6.00-7.00

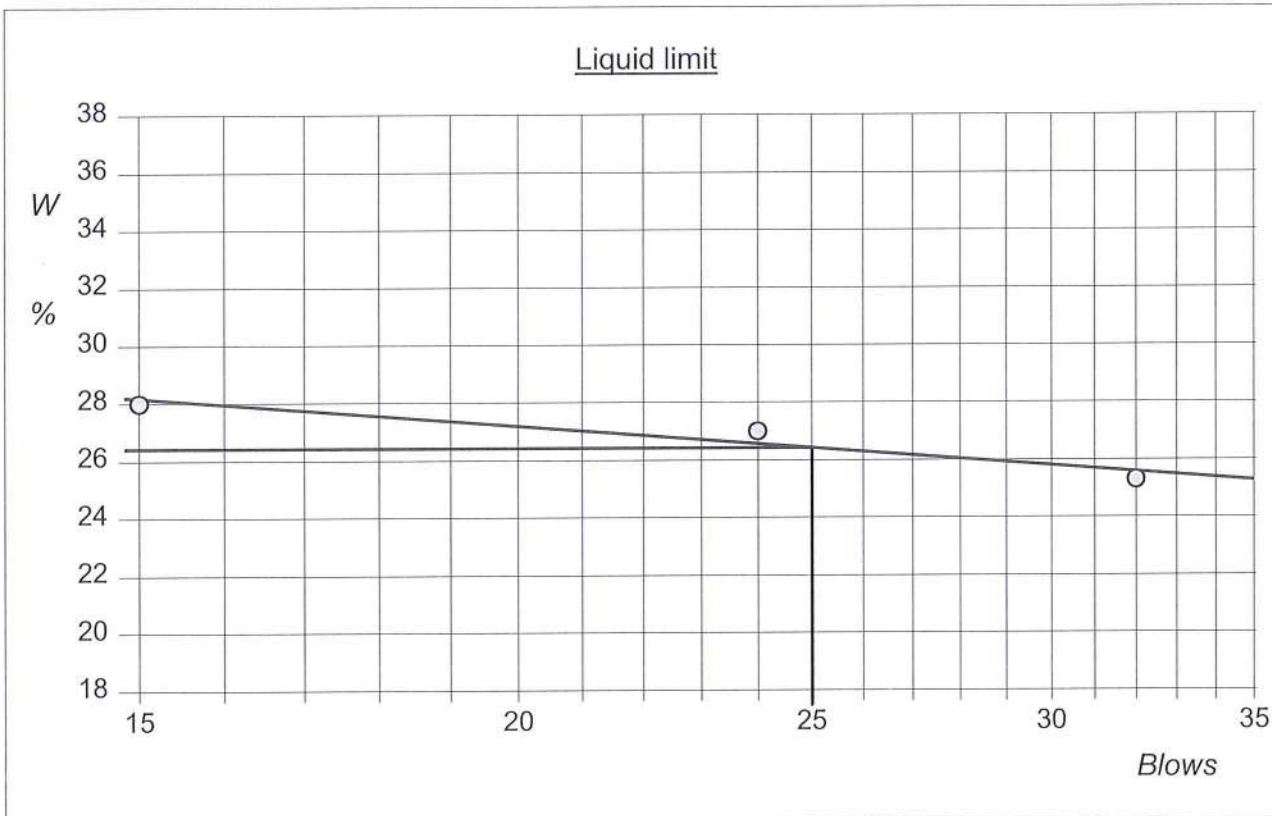
ATTERBERG LIMITS

Methods: Standard ASTM D4318-17e1

Liquid limit	26 %
Plastic limit	19 %
Plasticity index	7 %

The liquid and plastic limits have been performed on the material passing n° 40 (0.42 mm) sieve

LIQUID LIMIT					PLASTIC LIMIT		
Blows	15	24	32		Water content	19,2	19,6
Water content	28,0	27,0	25,3		Mean water content	19,4	



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory





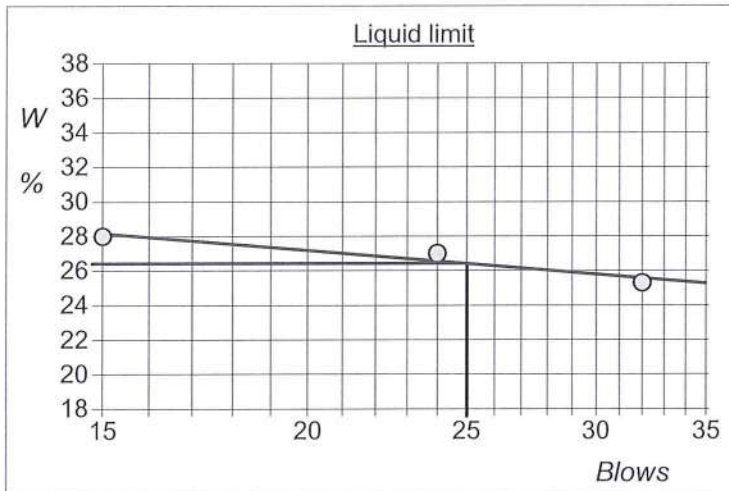
ORDER	24.002.01
Sample ID	
Depth (m)	6.00-7.00
Test	ATTERBERG L.
Cert./date	24.0111

TEST CERTIFICATE N°: 24.0111	Allegato 1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: BH18	SAMPLE: C1	DEPTH: m 6.00-7.00	

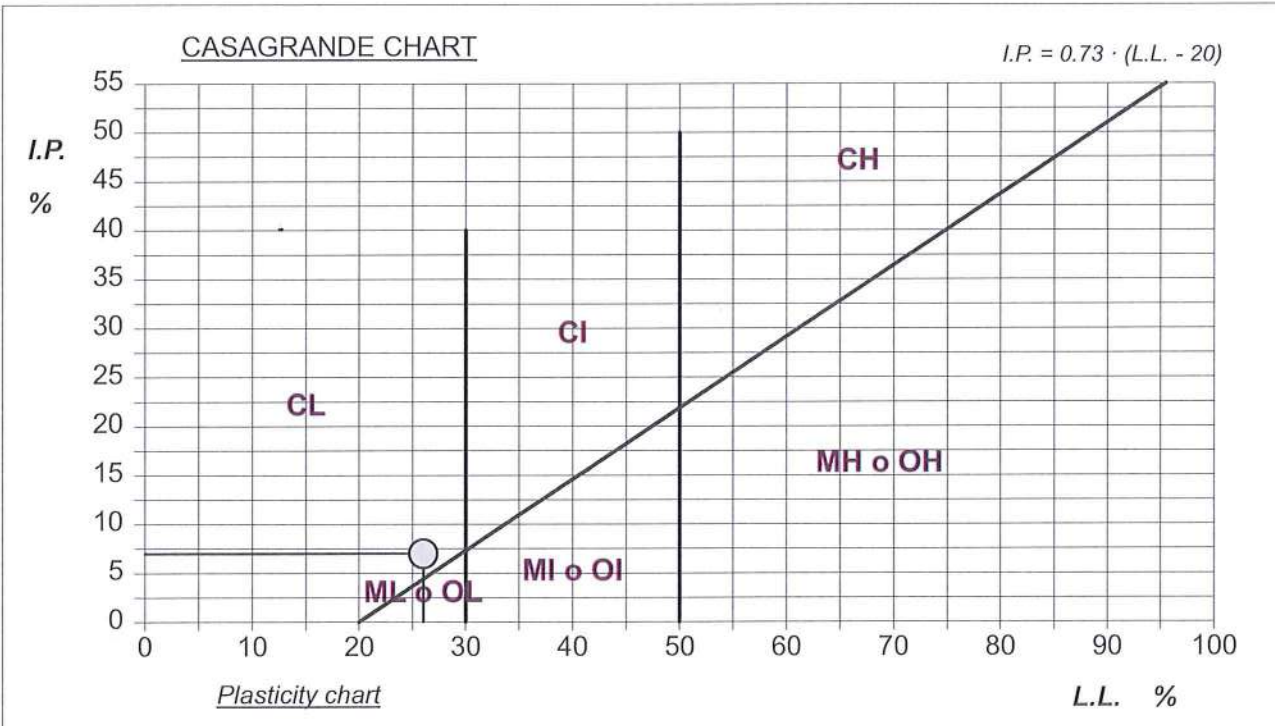
CASAGRANDE CHART

Methods: Standard ASTM D4318-17e1

Liquid limit	26	%
Plastic limit	19	%
Plasticity index	7	%
Liquidity index	2,98	
Passing the n. 40 sieve	YES	



C - Inorganic clays	L - Low compressibility
M - Inorganic silts	I - Medium compressibility
O - Organic soils	H - High compressibility



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023
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 Test location: Laboratory





ORDER	24.002.01
Sample ID	
Depth (m)	6.00-7.00
Test	GRAIN SIZE AN.
Cert./date	24.0112 03/06/24

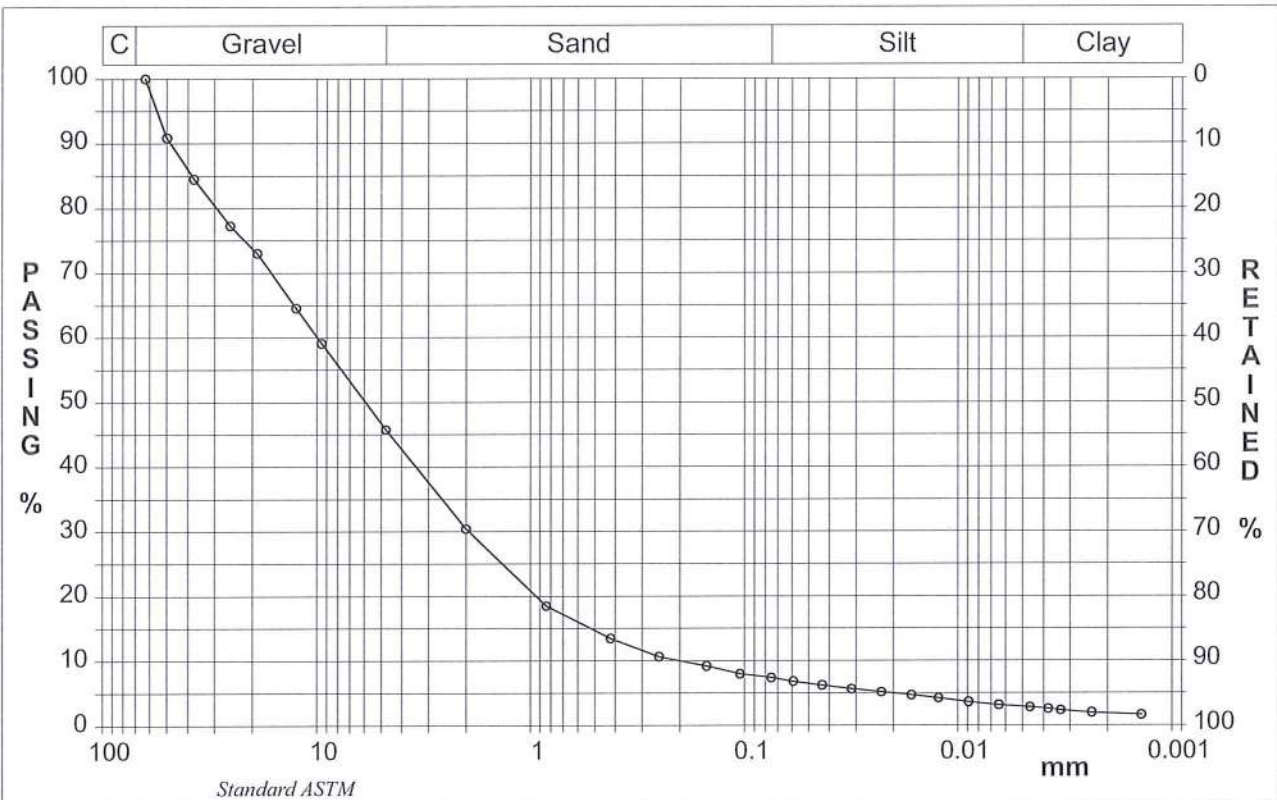
TEST CERTIFICATE N°: 24.0112	Page 1/1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH18	SAMPLE: C1 DEPTH: m 6.00-7.00

GRAIN SIZE ANALYSIS

Methods: Standard ASTM D6913/D6913M-17

Gravel	54,3 %	Passing n. 10 sieve (2 mm)	30,4 %	D10	0,20093 mm
Sand	38,3 %	Passing n. 40 sieve (0.42 mm)	13,4 %	D30	1,93925 mm
Silt	4,5 %	Passing n. 200 sieve (0.075 mm)	7,4 %	D50	5,92768 mm
Clay	2,9 %			D60	9,95794 mm
Coefficient of uniformity	49,56	Coefficient of curvature	1,88	D90	48,03009 mm



Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %
63,0000	100,00	12,5000	64,56	0,4200	13,45	0,0591	6,81	0,0123	4,23
50,0000	90,89	9,5200	59,10	0,2500	10,62	0,0432	6,22	0,0089	3,64
37,5000	84,50	4,7500	45,75	0,1500	9,17	0,0315	5,63	0,0064	3,17
25,4000	77,27	2,0000	30,42	0,1050	7,96	0,0228	5,16	0,0046	2,82
19,0000	73,02	0,8410	18,50	0,0750	7,37	0,0165	4,69	0,0038	2,58

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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ORDER	24.002.01
Sample ID	
Depth (m)	8.00-9.00
Test	WATER CONTENT
Cert./date	24.0113

TEST CERTIFICATE N°: 24.0113	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH20	SAMPLE: C1	DEPTH: m 8.00-9.00

WATER CONTENT

Methods: Standard ASTM D2216-19

W_n = Natural water content = 4,6 %

Soil structure:

- Homogeneous
 Stratified
 Not homogeneous

Drying temperature: 110 °C

Certificate code: FO-116/02-003UMID-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	8.00-9.00
Test	SPECIFIC GRAV.
Cert./date	24.0114

TEST CERTIFICATE N°: 24.0114	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH20	SAMPLE: C1	DEPTH: m 8.00-9.00

SPECIFIC GRAVITY

Methods: Standard ASTM D854-23

γ_s = Specific gravity (average of 2 measurements) (kN/m³) = 26,8 kN/m³

γ_{sc} = Specific gravity at 20° (kN/m³) = 26,7 kN/m³

Method: A B

Pycnometer size: 100 ml

Test temperature: 23,5 °C

Certificate code: FO-116/02-005GS-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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ORDER	24.002.01
Sample ID	
Depth (m)	8.00-9.00
Test	ATTERBERG L.
Cert./date	24.0115

TEST CERTIFICATE N°: 24.0115	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH20	SAMPLE: C1	DEPTH: m 8.00-9.00

ATTERBERG LIMITS

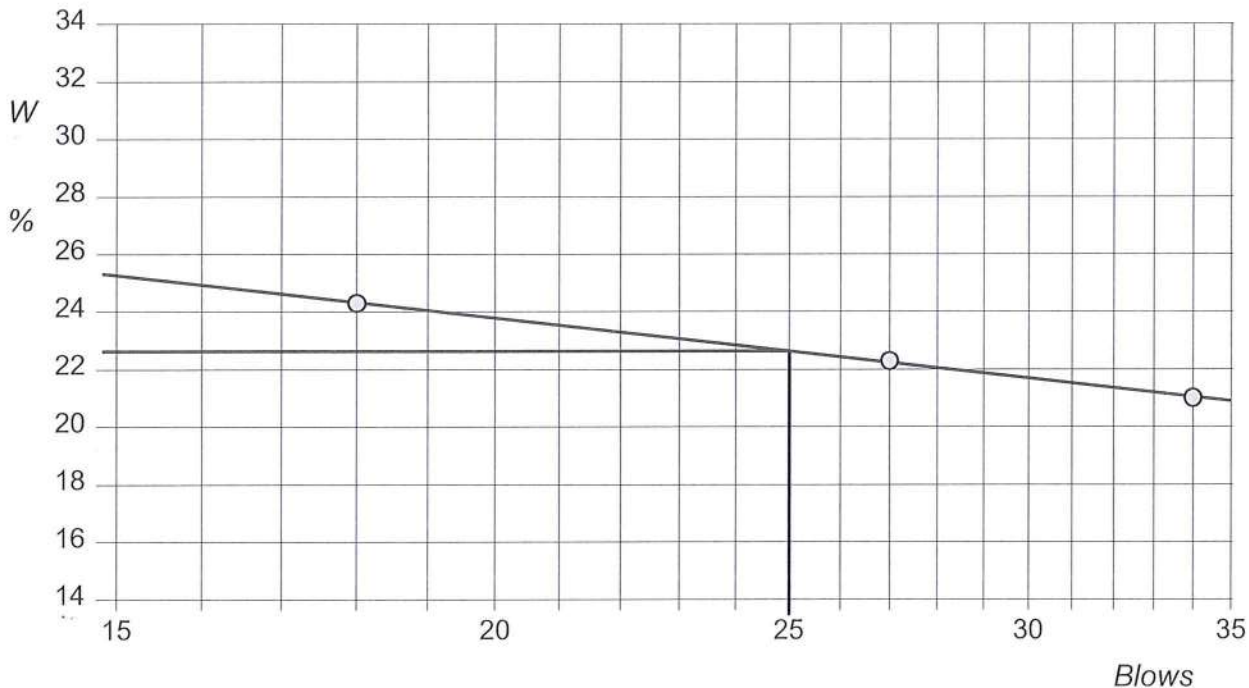
Methods: Standard ASTM D4318-17e1

Liquid limit	23 %
Plastic limit	17 %
Plasticity index	6 %

The liquid and plastic limits have been performed on the material passing n° 40 (0.42 mm) sieve

LIQUID LIMIT					PLASTIC LIMIT		
Blows	18	27	34		Water content	17,1	17,6
Water content	24,3	22,3	21,0		Mean water content	17,4	

Liquid limit



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory





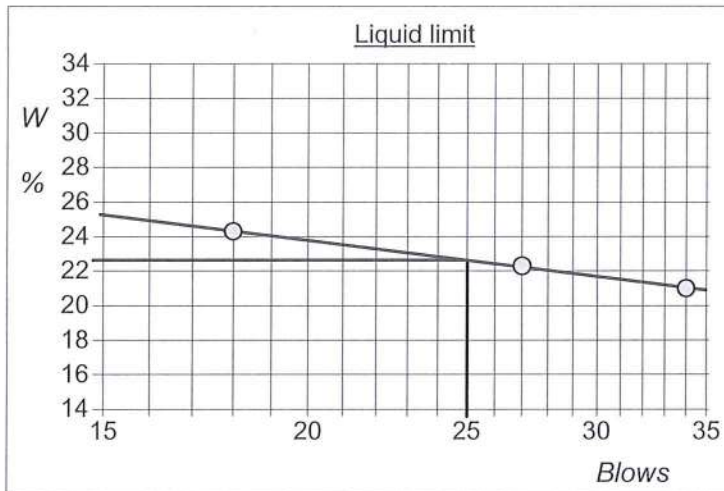
ORDER	24.002.01
Sample ID	
Depth (m)	8.00-9.00
Test	ATTERBERG L.
Cert./date	24.0115

TEST CERTIFICATE N°: 24.0115	Allegato 1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: BH20	SAMPLE: C1	DEPTH: m 8.00-9.00	

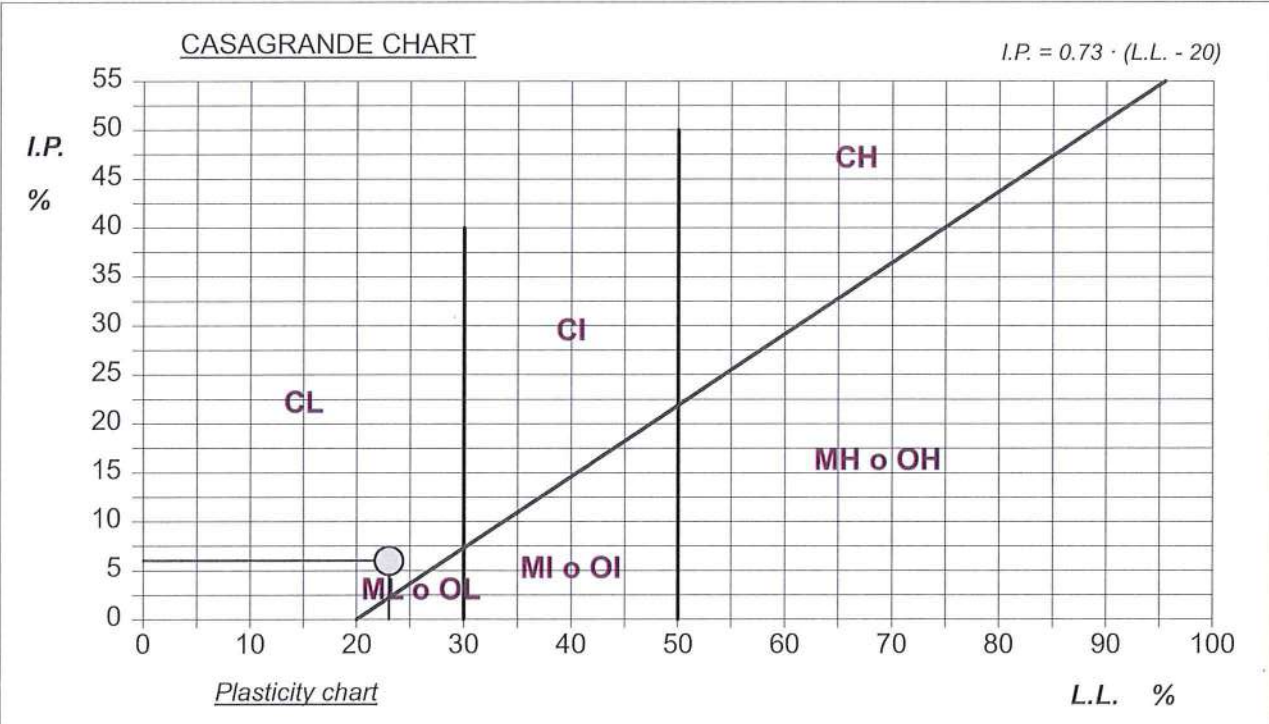
CASAGRANDE CHART

Methods: Standard ASTM D4318-17e1

Liquid limit	23	%
Plastic limit	17	%
Plasticity index	6	%
Liquidity index	3,06	
Passing the n. 40 sieve	YES	



C - Inorganic clays	L - Low compressibility
M - Inorganic silts	I - Medium compressibility
O - Organic soils	H - High compressibility



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory





ORDER	24.002.01
Sample ID	
Depth (m)	8.00-9.00
Test	GRAIN SIZE AN.
Cert./date	24.0116 03/06/24

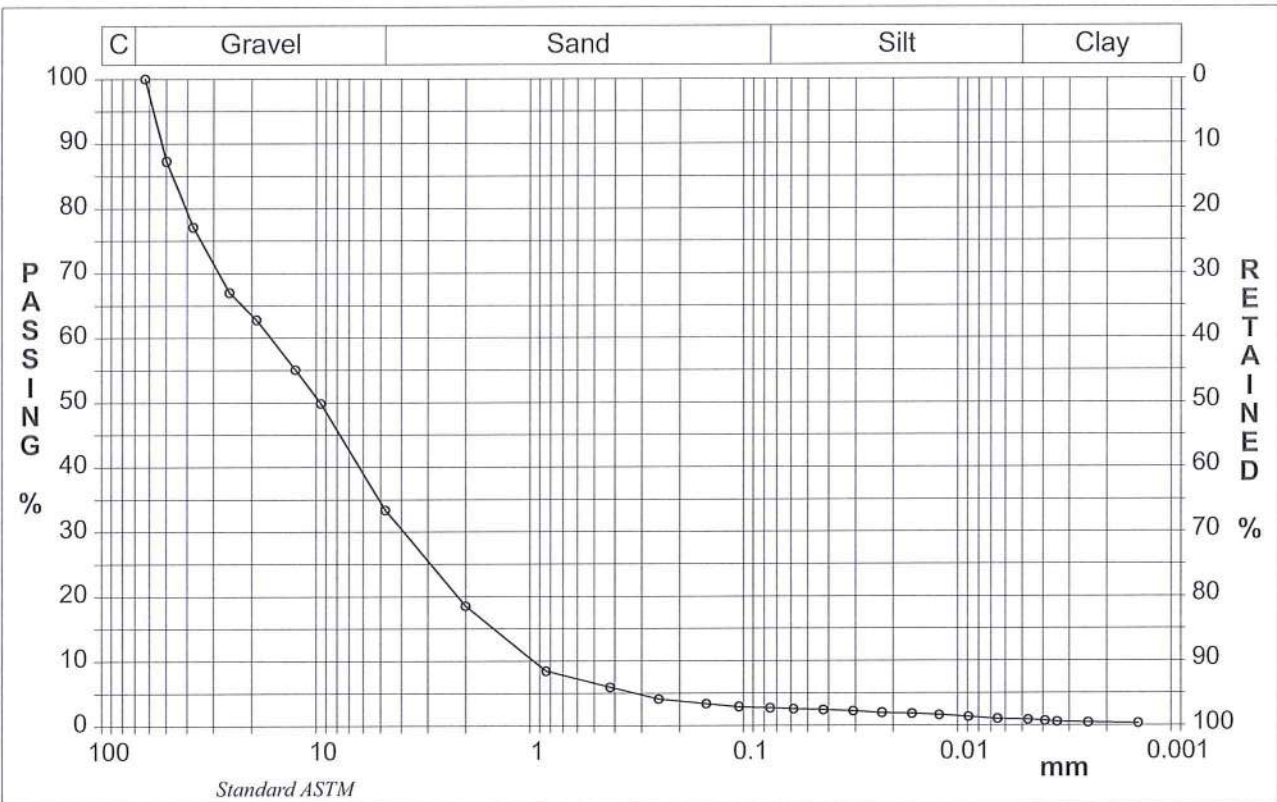
TEST CERTIFICATE N°: 24.0116	Page 1/1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH20	SAMPLE: C1 DEPTH: m 8.00-9.00

GRAIN SIZE ANALYSIS

Methods: Standard ASTM D6913/D6913M-17

Gravel	66,6 %	Passing n. 10 sieve (2 mm)	18,5 %	D10	0,96021 mm
Sand	30,7 %	Passing n. 40 sieve (0.42 mm)	6,0 %	D30	3,90595 mm
Silt	1,8 %	Passing n. 200 sieve (0.075 mm)	2,7 %	D50	9,59572 mm
Clay	0,9 %			D60	16,32641 mm
Coefficient of uniformity	17,00	Coefficient of curvature	0,97	D90	52,50868 mm



Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %
63,0000	100,00	12,5000	55,05	0,4200	5,95	0,0583	2,58	0,0122	1,64
50,0000	87,31	9,5200	49,85	0,2500	4,13	0,0423	2,41	0,0089	1,34
37,5000	77,11	4,7500	33,36	0,1500	3,38	0,0307	2,24	0,0065	1,03
25,4000	66,99	2,0000	18,52	0,1050	2,93	0,0225	1,98	0,0047	0,86
19,0000	62,81	0,8410	8,46	0,0750	2,72	0,0163	1,81	0,0039	0,69

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory





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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	5.00-6.00
Test	WATER CONTENT
Cert./date	24.0117

TEST CERTIFICATE N°: 24.0117	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH22	SAMPLE: C1	DEPTH: m 5.00-6.00

WATER CONTENT

Methods: Standard ASTM D2216-19

Wn = Natural water content = 3,9 %

Soil structure:

- Homogeneous
 Stratified
 Not homogeneous

Drying temperature: 110 °C

Certificate code: FO-116/02-003UMID-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	5.00-6.00
Test	SPECIFIC GRAV.
Cert./date	24.0118

TEST CERTIFICATE N°: 24.0118	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH22	SAMPLE: C1	DEPTH: m 5.00-6.00

SPECIFIC GRAVITY

Methods: Standard ASTM D854-23

γ_s = Specific gravity (average of 2 measurements) (kN/m³) = 26,9 kN/m³

γ_{sc} = Specific gravity at 20° (kN/m³) = 26,9 kN/m³

Method: A B

Pycnometer size: 100 ml

Test temperature: 23,7 °C

Certificate code: FO-116/02-005GS-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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ORDER	24.002.01
Sample ID	
Depth (m)	5.00-6.00
Test	ATTERBERG L.
Cert./date	24.0119

TEST CERTIFICATE N°: 24.0119	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH22	SAMPLE: C1 DEPTH: m 5.00-6.00

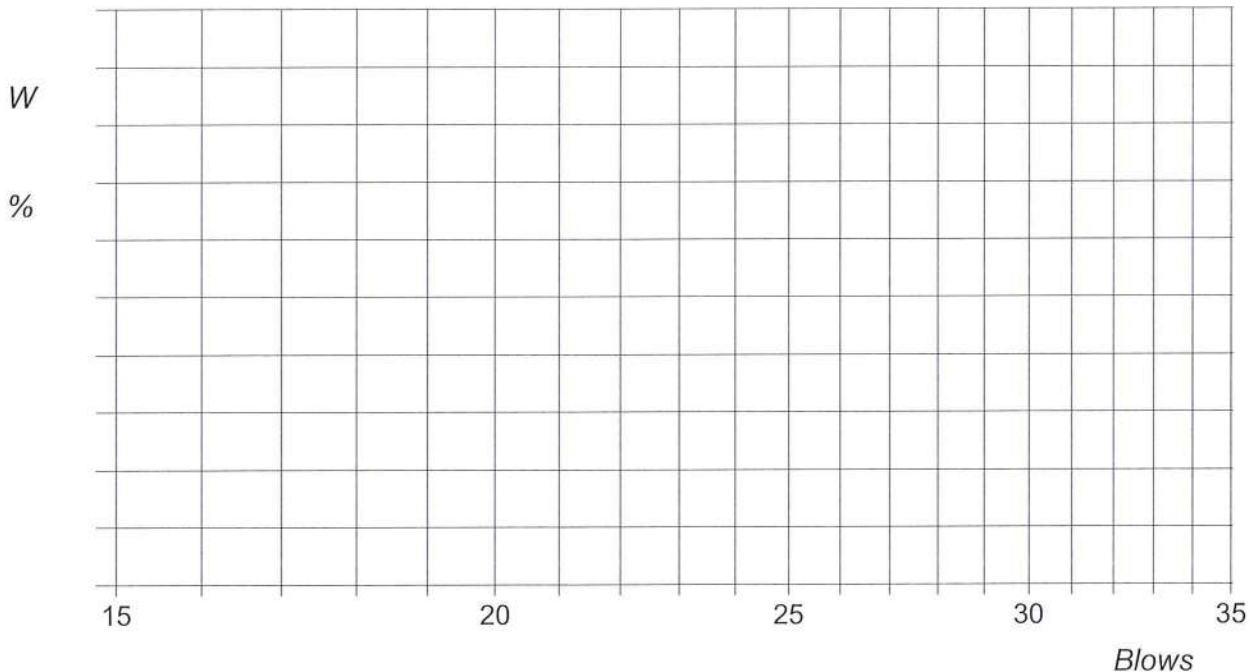
ATTERBERG LIMITS

Methods: Standard ASTM D4318-17e1

Liquid limit	Not determinable
Plastic limit	Not plastic
Plasticity index	---

LIQUID LIMIT					PLASTIC LIMIT		
Blows					Water content		
Water content					Mean water content		

Liquid limit



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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ORDER	24.002.01
Sample ID	
Depth (m)	5.00-6.00
Test	ATTERBERG L.
Cert./date	24.0119

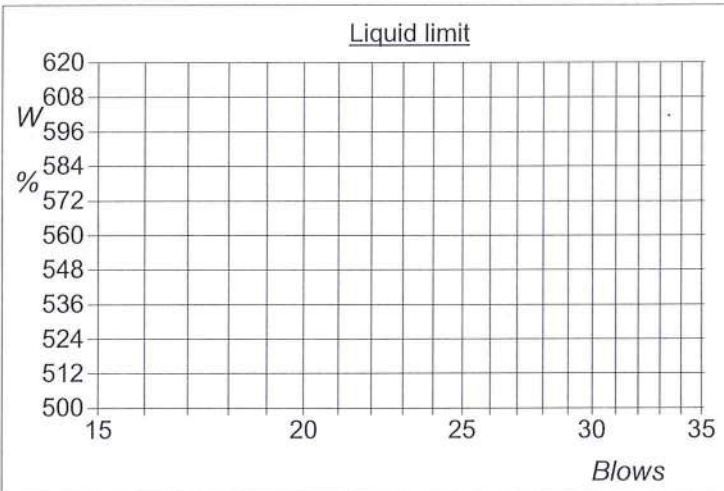
TEST CERTIFICATE N°: 24.0119	Allegato 1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH22	SAMPLE: C1 DEPTH: m 5.00-6.00

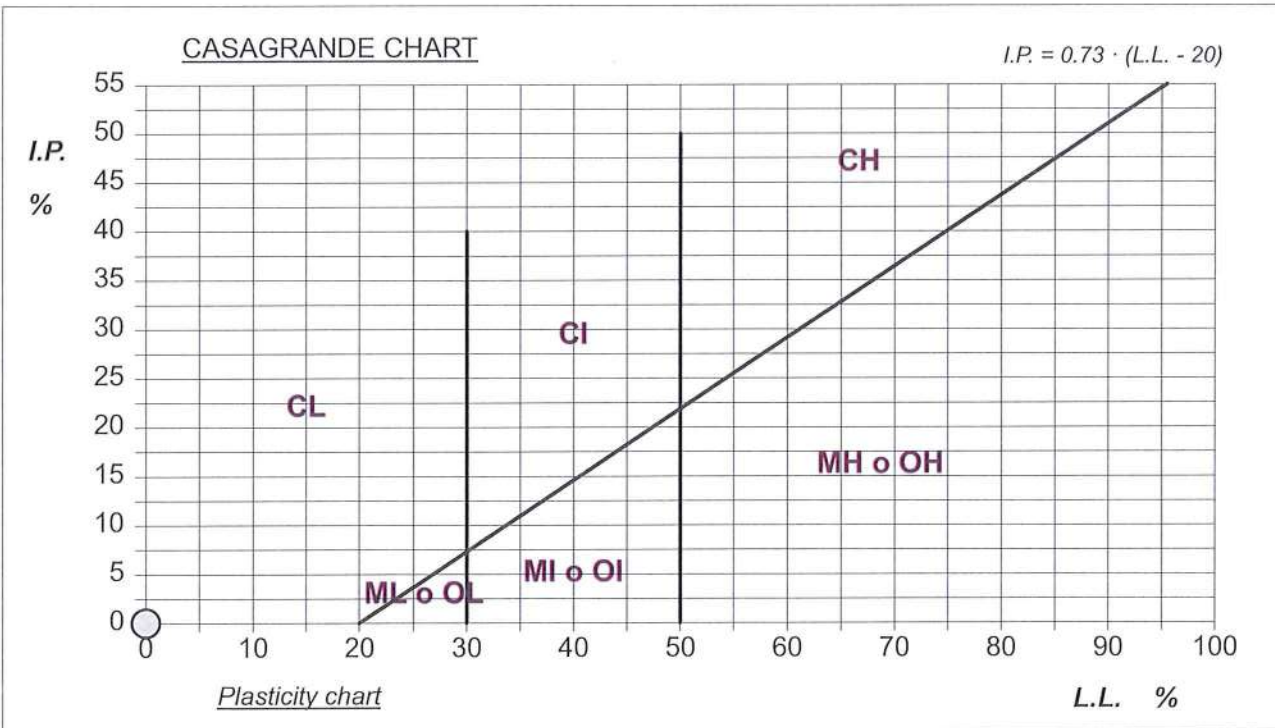
CASAGRANDE CHART

Methods: Standard ASTM D4318-17e1

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index		%
Liquidity index		
Passing the n. 40 sieve		



C - Inorganic clays	L - Low compressibility
M - Inorganic silts	I - Medium compressibility
O - Organic soils	H - High compressibility



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023
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 Test location: Laboratory

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ORDER	24.002.01
Sample ID	
Depth (m)	5.00-6.00
Test	GRAIN SIZE AN.
Cert./date	24.0120 03/06/24

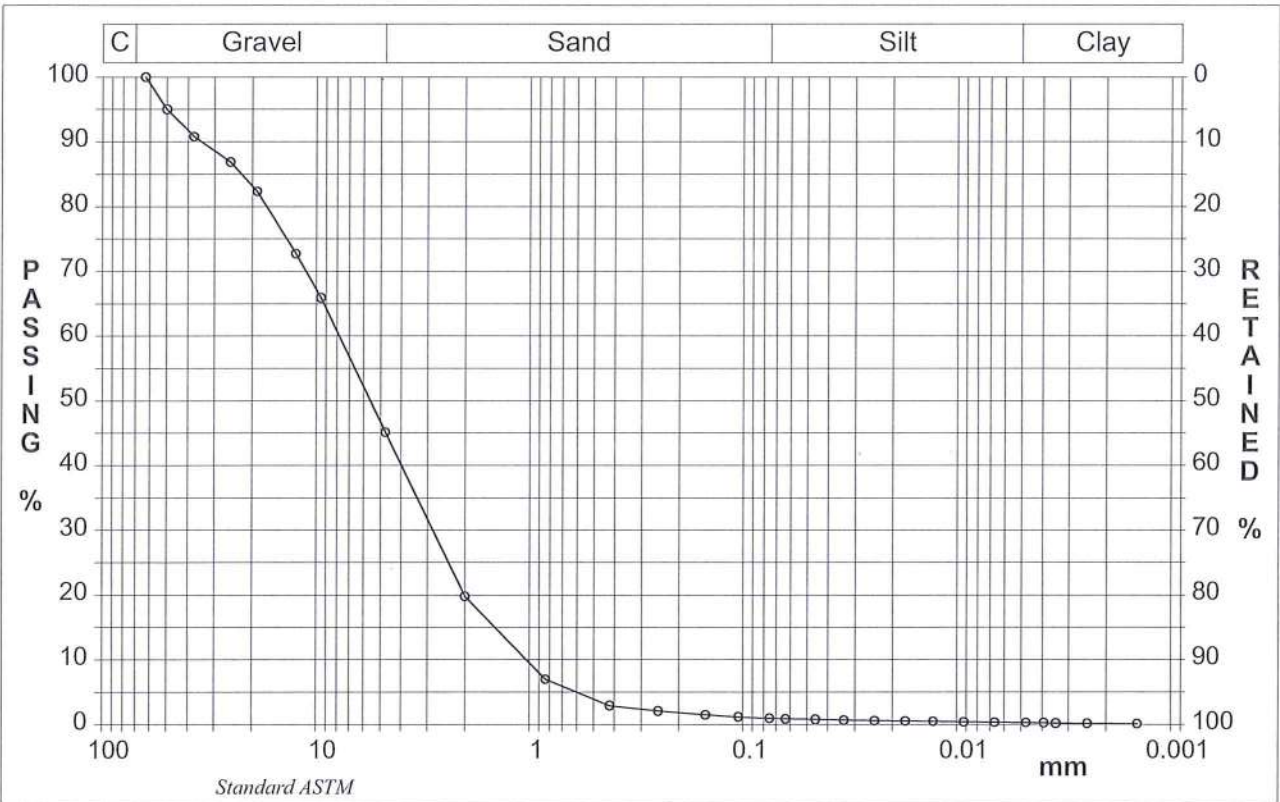
TEST CERTIFICATE N°: 24.0120	Page 1/1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH22	SAMPLE: C1 DEPTH: m 5.00-6.00

GRAIN SIZE ANALYSIS

Methods: Standard ASTM D6913/D6913M-17

Gravel	54,9 %	Passing n. 10 sieve (2 mm)	19,8 %	D ₁₀	1,03020 mm
Sand	44,1 %	Passing n. 40 sieve (0.42 mm)	2,9 %	D ₃₀	2,83391 mm
Silt	0,7 %	Passing n. 200 sieve (0.075 mm)	1,0 %	D ₅₀	5,58759 mm
Clay	0,3 %			D ₆₀	7,80905 mm
Coefficient of uniformity	7,58	Coefficient of curvature	1,00	D ₉₀	34,61716 mm



Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %
63,0000	100,00	12,5000	72,74	0,4200	2,93	0,0631	0,90	0,0129	0,49
50,0000	95,02	9,5200	65,92	0,2500	2,08	0,0458	0,82	0,0093	0,43
37,5000	90,80	4,7500	45,15	0,1500	1,50	0,0337	0,67	0,0066	0,37
25,4000	86,89	2,0000	19,78	0,1050	1,19	0,0242	0,61	0,0047	0,33
19,0000	82,37	0,8410	7,01	0,0750	0,99	0,0174	0,55	0,0039	0,27

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023.

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Test location: Laboratory

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ORDER	24.002.01
Sample ID	
Depth (m)	4.00-5.00
Test	WATER CONTENT
Cert./date	24.0121

TEST CERTIFICATE N°: 24.0121	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH23	SAMPLE: C1	DEPTH: m 4.00-5.00

WATER CONTENT

Methods: Standard ASTM D2216-19

W_n = Natural water content = 6,6 %

Soil structure:

- Homogeneous
 Stratified
 Not homogeneous

Drying temperature: 110 °C

Certificate code: FO-116/02-003UMID-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	4.00-5.00
Test	SPECIFIC GRAV.
Cert./date	24.0122

TEST CERTIFICATE N°: 24.0122	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH23	SAMPLE: C1	DEPTH: m 4.00-5.00

SPECIFIC GRAVITY

Methods: Standard ASTM D854-23

γ_s = Specific gravity (average of 2 measurements) (kN/m³) = 26,9 kN/m³

γ_{sc} = Specific gravity at 20° (kN/m³) = 26,9 kN/m³

Method: A B

Pycnometer size: 100 ml

Test temperature: 25,7 °C

Certificate code: FO-116/02-005GS-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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Experimenter
Dott. Daniel Del Negro





ORDER	24.002.01
Sample ID	
Depth (m)	4.00-5.00
Test	ATTERBERG L.
Cert./date	24.0123

TEST CERTIFICATE N°: 24.0123	Page 1/1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH23	SAMPLE: C1	DEPTH: m 4.00-5.00

ATTERBERG LIMITS

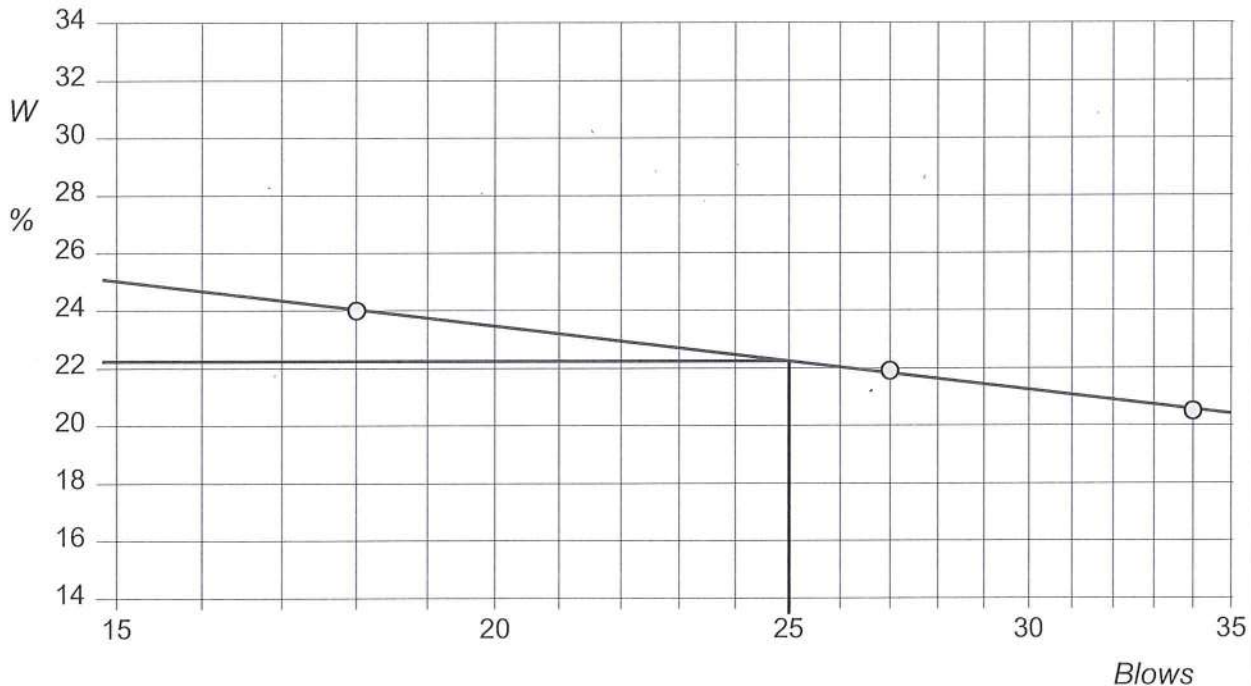
Methods: Standard ASTM D4318-17e1

Liquid limit	22 %
Plastic limit	18 %
Plasticity index	4 %

The liquid and plastic limits have been performed on the material passing n° 40 (0.42 mm) sieve

LIQUID LIMIT					PLASTIC LIMIT		
Blows	18	27	34		Water content	18,1	17,9
Water content	24,0	21,9	20,5		Mean water content	18,0	

Liquid limit



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory



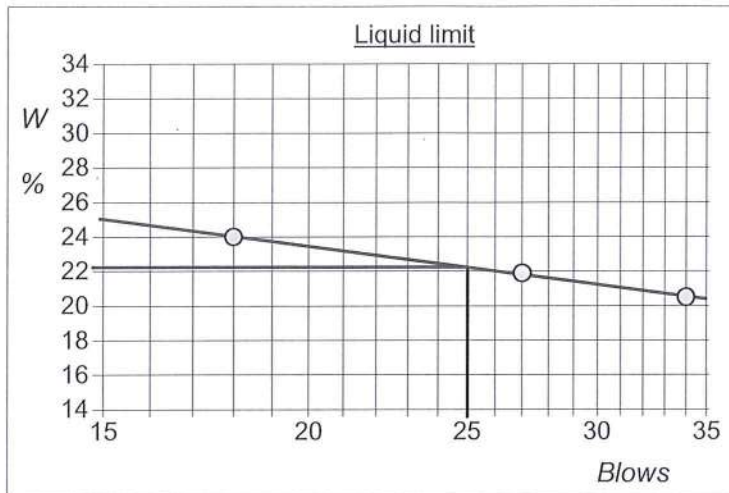
ORDER	24.002.01
Sample ID	
Depth (m)	4.00-5.00
Test	ATTERBERG L.
Cert./date	24.0123

TEST CERTIFICATE N°: 24.0123	Allegato 1	Issue date:	Start date:
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date:
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: BH23	SAMPLE: C1	DEPTH: m 4.00-5.00	

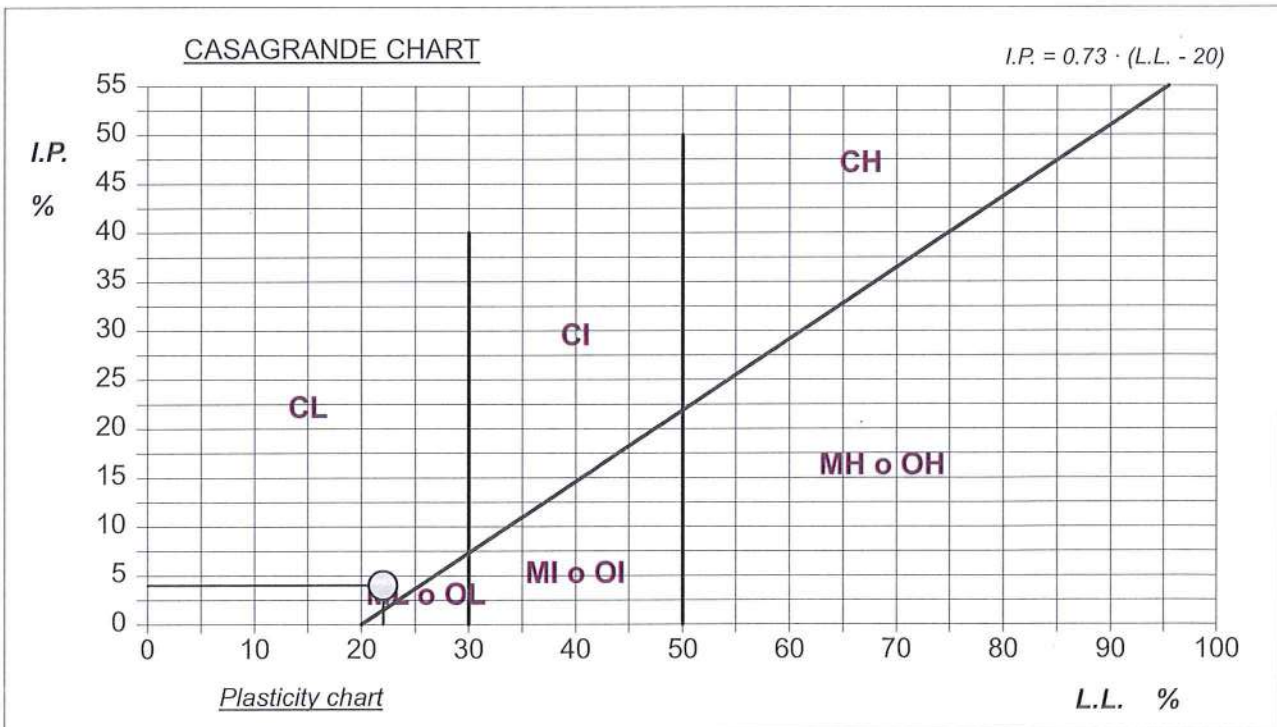
CASAGRANDE CHART

Methods: Standard ASTM D4318-17e1

Liquid limit	22	%
Plastic limit	18	%
Plasticity index	4	%
Liquidity index	3,84	
Passing the n. 40 sieve	YES	



C - Inorganic clays	L - Low compressibility
M - Inorganic silts	I - Medium compressibility
O - Organic soils	H - High compressibility



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory





ORDER	24.002.01
Sample ID	
Depth (m)	4.00-5.00
Test	GRAIN SIZE AN.
Cert./date	24.0124 03/06/24

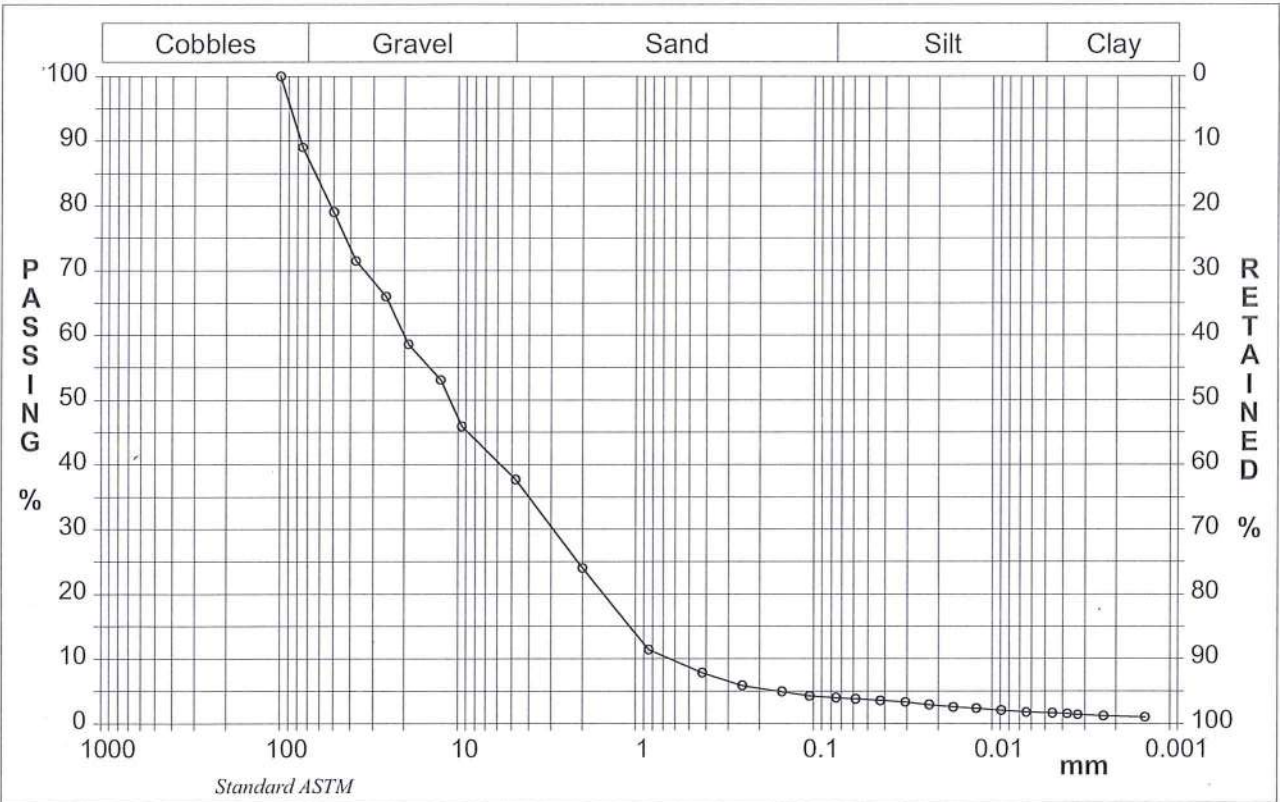
TEST CERTIFICATE N°: 24.0124	Page 1/1	Issue date:	03/06/24	Start date:	29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening:	05/06/24	End date:	01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH23	SAMPLE: C1	DEPTH: m 4.00-5.00

GRAIN SIZE ANALYSIS

Methods: Standard ASTM D6913/D6913M-17

Gravel and cobbles	62,3 %	Passing n. 10 sieve (2 mm)	24,0 %	D ₁₀	0,63617 mm
Sand	33,7 %	Passing n. 40 sieve (0.42 mm)	7,9 %	D ₃₀	2,91762 mm
Silt	2,3 %	Passing n. 200 sieve (0.075 mm)	4,0 %	D ₅₀	11,11649 mm
Clay	1,7 %			D ₆₀	20,08246 mm
Coefficient of uniformity	31,57	Coefficient of curvature	0,67	D ₉₀	76,91669 mm



Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %
100,0000	100,00	19,0000	58,59	0,8410	11,43	0,0750	4,00	0,0165	2,55
75,0000	89,04	12,5000	53,08	0,4200	7,87	0,0583	3,83	0,0122	2,36
50,0000	79,04	9,5200	45,93	0,2500	5,89	0,0423	3,57	0,0089	2,04
37,5000	71,48	4,7500	37,70	0,1500	4,94	0,0307	3,32	0,0064	1,79
25,4000	65,98	2,0000	24,03	0,1050	4,28	0,0225	2,93	0,0046	1,66

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

Experimenter
 Dott. Daniel Del-Negro





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LT 090 06.03.23

ORDER	24.002.01
Sample ID	TP1-C1
Depth (m)	
Test	WATER CONTENT
Cert./date	24.0049 03/06/2024

TEST REPORT N°: 24.0049	Page 1/1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 04/06/24	End date: 30/05/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP1	SAMPLE: C1 DEPTH: m

WATER CONTENT

Methods: Standard ASTM D2216-19

W_n = Natural water content = 6,4 %

Soil structure:

- Homogeneous
- Stratified
- Not homogeneous

Drying temperature: 110 °C

Certificate code: FO-116/02-003UMID-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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 Dott. D. Del Negro





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LT 090 06.03.23

ORDER	24.002.01
Sample ID	TP1-C1
Depth (m)	
Test	SPECIFIC GRAV.
Cert./date	24.0050 03/06/2024

TEST REPORT N°: 24.0050	Page 1/1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 04/06/24	End date: 31/05/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: TP1	SAMPLE: C1	DEPTH: m

SPECIFIC GRAVITY

Methods: Standard ASTM D854-23

γ_s = Specific gravity (average of 2 measurements) (kN/m³) = 26,1 kN/m³

γ_{sc} = Specific gravity at 20° (kN/m³) = 26,1 kN/m³

Method: A B

Pycnometer size: 100 ml

Test temperature: 24,3 °C

Certificate code: FO-116/02-005GS-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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ORDER	24.002.01
Sample ID	TP1-C1
Depth (m)	
Test	ATTERBERG L.
Cert./date	24.0051 03/06/2024

TEST REPORT N°: 24.0051	Page 1/1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 04/06/24	End date: 31/05/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP1	SAMPLE: C1 DEPTH: m

ATTERBERG LIMITS

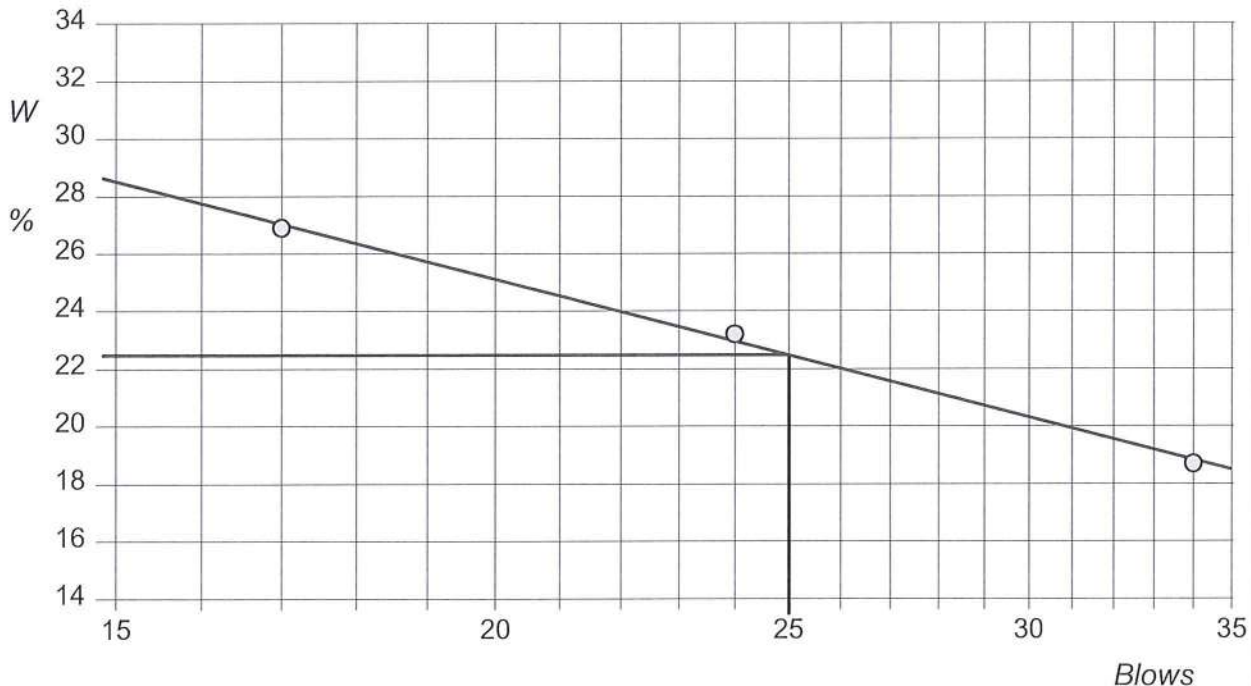
Methods: Standard ASTM D4318-17e1

Liquid limit	22,5 %
Plastic limit	15,6 %
Plasticity index	6,9 %

The liquid and plastic limits have been performed on the material passing n° 40 (0.42 mm) sieve

LIQUID LIMIT					PLASTIC LIMIT		
Blows	17	24	34		Water content	15,7	15,5
Water content	26,9	23,2	18,7		Mean water content	15,6	

Liquid limit



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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ORDER	24.002.01
Sample ID	TP1-C1
Depth (m)	
Test	ATTERBERG L.
Cert./date	24.0051 03/06/2024

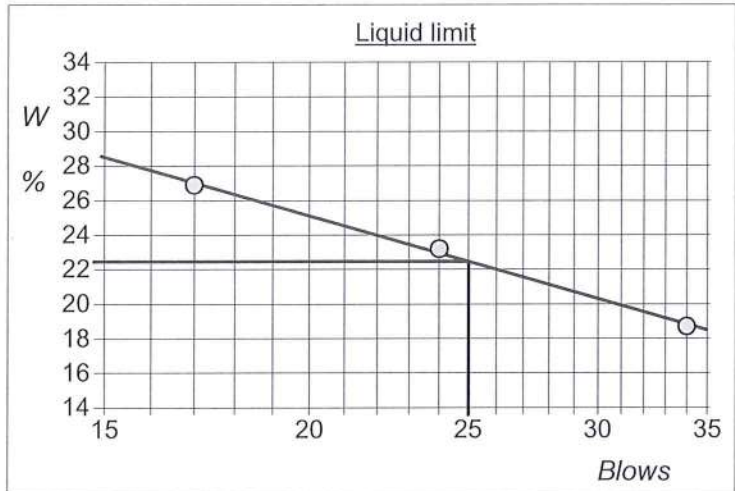
TEST REPORT N°: 24.0051	Allegato 1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 04/06/24	End date: 31/05/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP1	SAMPLE: C1 DEPTH: m

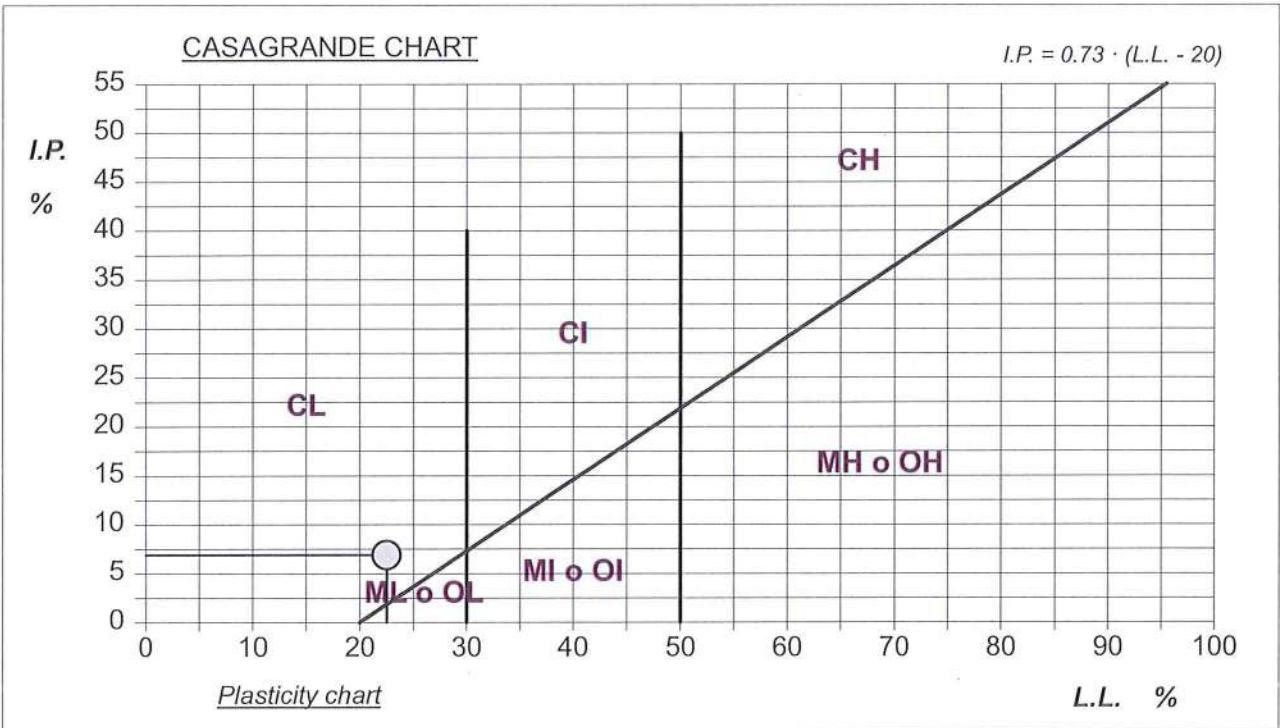
CASAGRANDE CHART

Methods: Standard ASTM D4318-17e1

Liquid limit	22,5	%
Plastic limit	15,6	%
Plasticity index	6,9	%
Liquidity index	2,34	
Passing the n. 40 sieve	YES	



C - Inorganic clays	L - Low compressibility
M - Inorganic silts	I - Medium compressibility
O - Organic soils	H - High compressibility



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC:16/03/2023
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 Test place: Laboratory

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 Geotechnical and Material Laboratory and Consulting
 Laboratory Manager
 Dott. Andrea Forlani



ORDER	24.002.01
Sample ID	TP1-C1
Depth (m)	
Test	GRAIN SIZE AN.
Cert./date	24.0052 03/06/2024

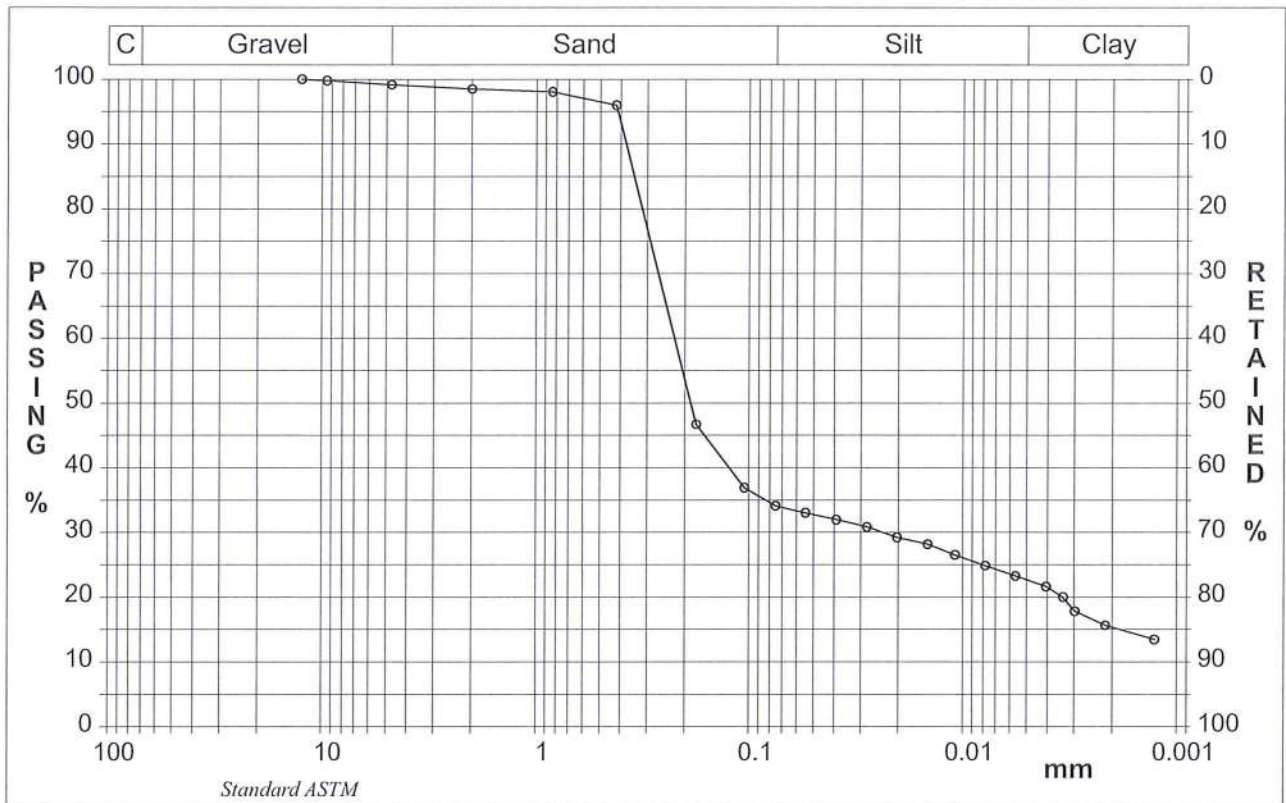
TEST REPORT N°: 24.0052	Page 1/1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 04/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP1	SAMPLE: C1 DEPTH: m

GRAIN SIZE ANALYSIS

Methods: Standard ASTM D6913/D6913M-17

Gravel	0,9 %	Passing n. 10 sieve (2 mm)	98,5 %	D10	--- mm
Sand	65,0 %	Passing n. 40 sieve (0.42 mm)	96,0 %	D30	0,02364 mm
Silt	11,4 %	Passing n. 200 sieve (0.075 mm)	34,1 %	D50	0,18759 mm
Clay	22,7 %			D60	0,22354 mm
Coefficient of uniformity	---	Coefficient of curvature	---	D90	0,37826 mm



Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %
12,5000	100,00	0,4200	95,97	0,0391	31,95	0,0078	24,89	0,0022	15,65
9,5200	99,78	0,1770	46,68	0,0281	30,86	0,0056	23,26	0,0013	13,48
4,7500	99,13	0,1050	36,89	0,0203	29,23	0,0041	21,63		
2,0000	98,48	0,0750	34,09	0,0146	28,15	0,0034	20,00		
0,8410	98,05	0,0545	33,04	0,0108	26,52	0,0030	17,82		

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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LT 090 06.03.23

CODE FO-116/03

REVISION: 03 :16/03/2023

CIRC.: 16/03/2023

TEST CODE:018PRM-T

**LABORATORY COMPACTION CHARACTERISTICS OF SOIL USING
 MODIFIED EFFORT
 ASTM D1557-12e1**

CLIENT:	SEED Consulting ShPK	ORDER:	24.002.01
PROJECT:	Auto Moto Park Elbasan	BOREHOLE:	TP1
APPLICANT:	SEED Consulting ShPK	SAMPLE:	C1
LOCATION:	Elbasan	DEPTH (m):	0,8-1,60
Date of receipt:	04/06/24	Opening date:	04/06/2024
Cert / Date:	24,130 - 26-06-2024	Testing date:	19-20/06/24

Test method:	A
Preparation method:	Oven Dry
As arrived moisture content:	6,4 %
Type of rammer:	Manual
Percentage retained at 19mm sieve:	0,0 %
Percentage retained at 9.5mm sieve:	0,2 %
Percentage retained at 4.75mm sieve:	0,9 %
Percentage oversize fraction	0,9 %
Soil group symbol (ASTM D2487):	
Specific gravity (ASTM D854)	2,66
Mold Volume	943 cm ³

Specimen	1	2	3	4	5
Weight of mold (g)	3425,4	3410,4	3432,2	3428,5	3423,2
Weight of mold and specimen (g)	5206,8	5262,6	5333,6	5358,6	5375,4
Moisture content (%)	6,72	8,75	10,76	12,53	14,77
Wet density (g/cm ³)	1,889	1,964	2,016	2,047	2,070
Dry density (g/cm ³)	1,770	1,806	1,821	1,819	1,804
Dry unit weight (kN/m ³)	17,36	17,71	17,85	17,84	17,69

Non-corrected optimal moisture	11,4 %
Non-corrected maximum dry density	1,821 g/cm ³
Non-corrected maximum dry unit weight	17,86 kN/m ³
Oversize particles apparent density	--- g/cm ³
Oversize particles water content	--- %
Corrected optimal moisture	11,4 %
Corrected maximum dry density	1,821 g/cm³
Corrected maximum dry unit weight	17,86 kN/m³

REMARKS: No correction needed for oversize particles

Acceptance order n.:0002
 Acceptance date: 04-06-24

Experimenter
 Dott. D. Del Negro





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LT 090 06.03.23

CODE FO-116/03

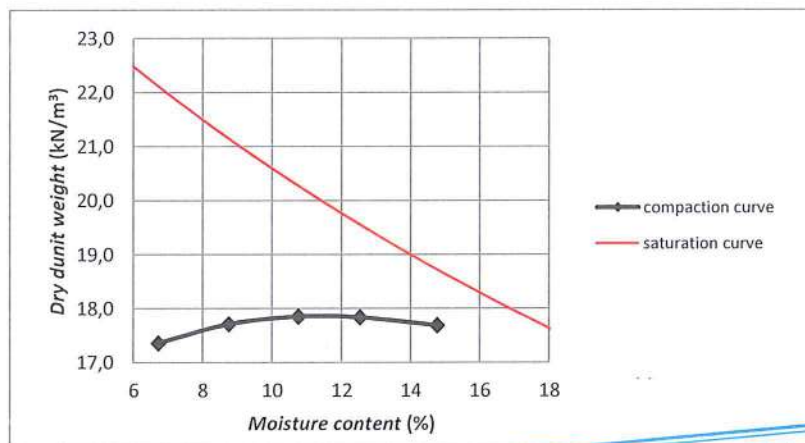
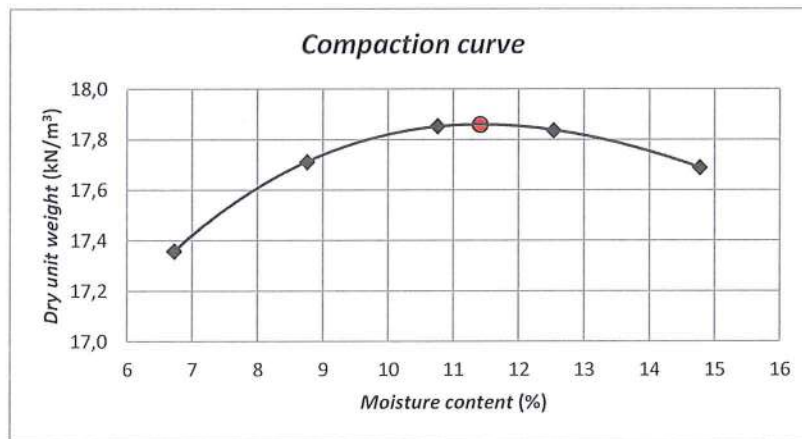
REVISION: 03 :16/03/2023

CIRC.: 16/03/2023

TEST CODE:018PRM-T

LABORATORY COMPACTION CHARACTERISTICS OF SOIL USING MODIFIED EFFORT ASTM D1557-12e1

CLIENT:	SEED Consulting ShPK	ORDER:	24.002.01
PROJECT:	Auto Moto Park Elbasan	BOREHOLE:	TP1
APPLICANT:	SEED Consulting ShPK	SAMPLE:	C1
LOCATION:	Elbasan	DEPTH (m):	0,8-1,60
Date of receipt:	04/06/24	Opening date:	04/06/2024
Cert / Date:	24,130 - 26/06/2024	Testing date:	19-20/06/24



REMARKS:

Acceptance order n.:0002
 Acceptance date: 04-06-24

Experimenter
 Dott. D. Del Negro





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LT 090 06.03.23

Comm./Order: 24.002.01
 Sond./Borhole: TP1
 Camp./Sample: C1
 Prof./Depth (m): ---
 Test ref.: 019CBR-T

CALIFORNIA BEARING RATIO (C.B.R) OF LABORATORY-COMPACTED SOILS ASTM D1883-21

PROJECT: Auto Moto Park Elbasan	BOREHOLE: TP1
CLIENT: SEED Consulting Shpk	SAMPLE: C1
APPLICANT: SEED Consulting Shpk	DEPTH (m): ---
LOCATION: Elbasan	ORDER: 24.002.01
Sample's receipt date: 04/06/2024	Sample's opening date: 04/06/2024
Test report n. and date: 24,131 26/04/2024	Testing date: 21-26/06/2024

Soil classification (ASTM D2487)	SC-SM Silty, clayey sand		
As-received water content	6,4 %		
Atterberg limits	WL 22,5	PI 6,9	
Particle size distribution	G = 0.9%	S=65.0%	M=11.4%
Percentage retained at 4.75mm sieve	C=22.7%		
Method of compaction	0,5 %		
Number of blows per layer	Modified effort		
Compaction conditions	56		
Specimen condition	Optimal moisture		
	Soaked		
Mass of mold	7173,8 g		
Mass of mold and specimen as compacted	11483,7 g		
Water content as compacted	11,5 %		
Wet density as compacted	2,029 g/cm ³		
Wet unit weight as compacted	19,90 kN/m ³		
Dry density as compacted	1,820 g/cm ³		
Dry unit weight as compacted	17,85 kN/m ³		
Immersion period	96 h		
Swelling	0,02 mm		
Swelling percentage	0,0 %		
Water content after soaking	14,9 %		
C.B.R. index at 2.50mm penetration	29,18 %		
C.B.R. index at 5.10mm penetration	36,28 %		
X coordinate adjustment	0,00 mm		
Corrected C.B.R. index at 2.50mm penetration	29,18 %		
Corrected C.B.R. index at 5.10mm penetration	36,28 %		
C.B.R. Index	36,3 %		

REMARKS:

Acceptance order 0002

Acceptance date: 04/06/2024

Test performed by **GEOTEST shpk** Laboratory Manager
 Dott. D. Del Negro Eng. Andrea Forlani
Geotechnical and Material Laboratory and Consulting
 L 2172/1022K

Autostrada Tirane-Durres Km 2, Mëzez, Tiranë Reg. No. 1/2



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LT 090 06.03.23

Comm./Order: 24.002.01

Sond./Borhole: TP1

Camp./Sample: C1

Prof./Depth (m): ---

Test ref.: 019CBR-T

CALIFORNIA BEARING RATIO (C.B.R) OF LABORATORY-COMPACTED SOILS ASTM D1883-21

PROJECT: Auto Moto Park Elbasan

CLIENT: SEED Consulting Shpk

APPLICANT: SEED Consulting Shpk

LOCATION: Elbasan

Sample's receipt date: 04/06/2024

Test report n. and date: 24,131 26/06/2024

BOREHOLE: TP1

SAMPLE: C1

DEPTH (m): ---

ORDER: 24.002.01

Sample's opening date: 04/06/2024

Testing date: 21-26/06/2024

Piston penetration	Load	Penetration stress
mm	N	MPa
0,64	1018	0,60
1,30	1892	1,12
1,90	2672	1,59
2,50	3390	2,01
3,18	4097	2,43
3,80	4728	2,81
4,45	5382	3,20
5,10	6108	3,63
7,60	8464	5,03
10,00	10127	6,01
13,00	11759	6,98



REMARKS:

Acceptance order 0002

Acceptance date: 04/06/2024

Test performed by
Dott. D. Del Negro

Laboratory Manager

Geotechnical and Material Laboratory and Consulting
Eng. Andrea Follani

L21721022K

Autostrada Tirane-Durres Km 2, Mëzez, Tiranë (AL)

Pag./page: 2/2



ORDER	24.002.01
Sample ID	TP1/1-C1
Depth (m)	
Test	WATER CONTENT
Cert./date	24.0053 17/06/2024

TEST REPORT N°: 24.0053	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 04/06/24	End date: 13/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: TP1/1	SAMPLE: C1	DEPTH: m

WATER CONTENT

Methods: Standard ASTM D2216-19

W_n = Natural water content = 4,8 %

Soil structure:

Homogeneous
 Stratified
 Not homogeneous

Drying temperature: 110 °C

Certificate code: FO-116/02-003UMID-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

Experimenter
Dott. D. Del Negro





ORDER	24.002.01
Sample ID	TP1/1-C1
Depth (m)	
Test	SPECIFIC GRAV.
Cert./date	24.0054 17/06/2024

TEST REPORT N°: 24.0054	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 04/06/24	End date: 17/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP1/1	SAMPLE: C1 DEPTH: m

SPECIFIC GRAVITY

Methods: Standard ASTM D854-23

γ_s = Specific gravity (average of 2 measurements) (kN/m ³) = 26,1 kN/m ³ γ_{sc} = Specific gravity at 20° (kN/m ³) = 26,1 kN/m ³
--

Method: A B

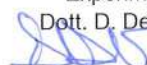
Pycnometer size: 100 ml

Test temperature: 24,4 °C

Certificate code: FO-116/02-005GS-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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ORDER	24.002.01
Sample ID	TP1/1-C1
Depth (m)	
Test	ATTERBERG L.
Cert./date	24.0055 17/06/2024

TEST REPORT N°: 24.0055	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 04/06/24	End date: 13/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP1/1	SAMPLE: C1 DEPTH: m

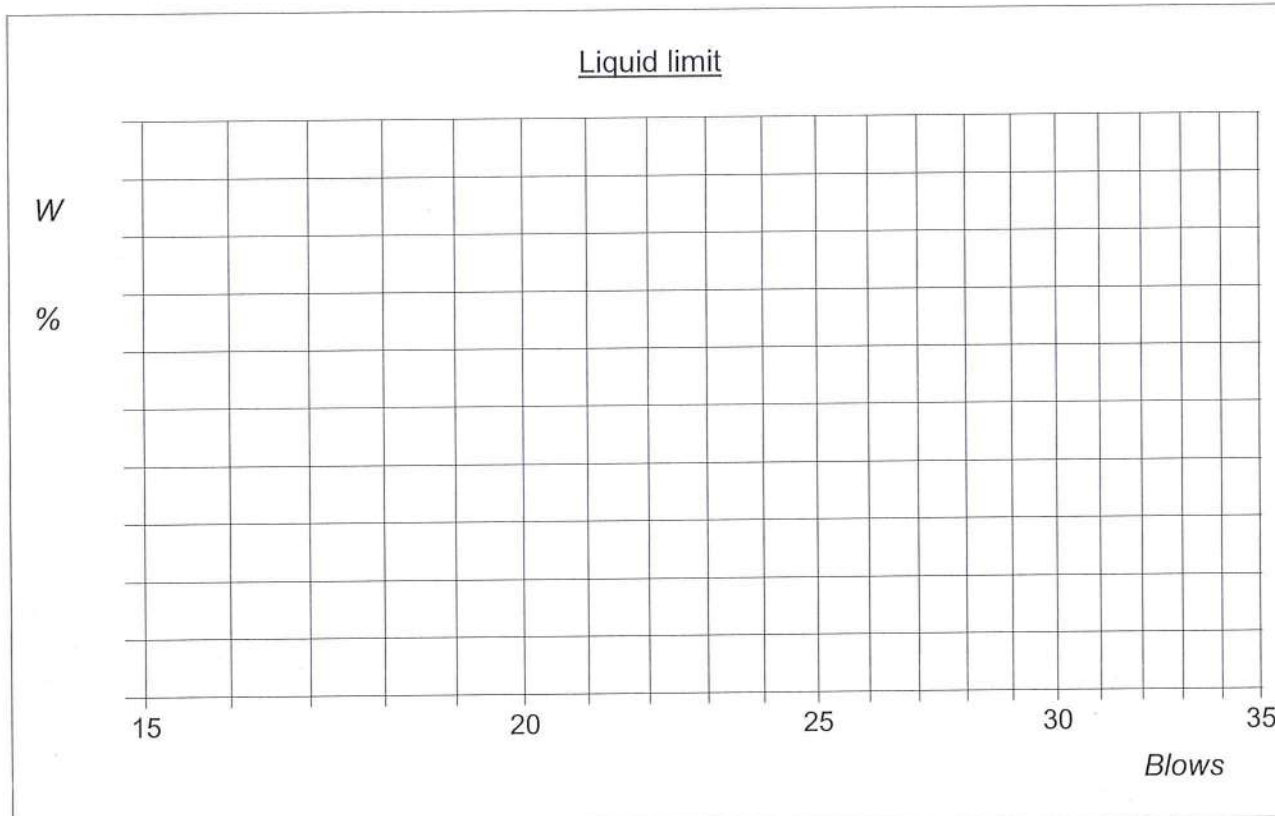
ATTERBERG LIMITS

Methods: Standard ASTM D4318-17e1

Liquid limit	Not determinable
Plastic limit	Not plastic
Plasticity index	- - -

The liquid and plastic limits have been performed on the material passing n° 40 (0.42 mm) sieve

LIQUID LIMIT					PLASTIC LIMIT		
Blows					Water content		
Water content					Mean water content		



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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ORDER	24.002.01
Sample ID	TP1/1-C1
Depth (m)	
Test	ATTERBERG L.
Cert./date	24.0055 17/06/2024

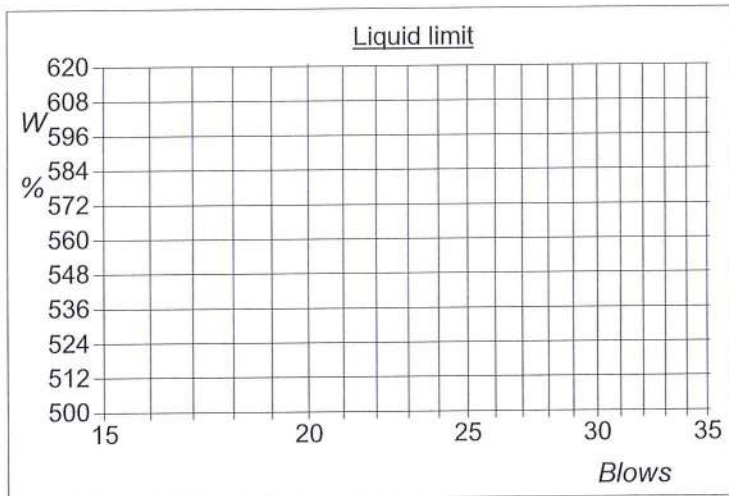
TEST REPORT N°: 24.0055	Allegato 1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 04/06/24	End date: 13/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP1/1	SAMPLE: C1 DEPTH: m

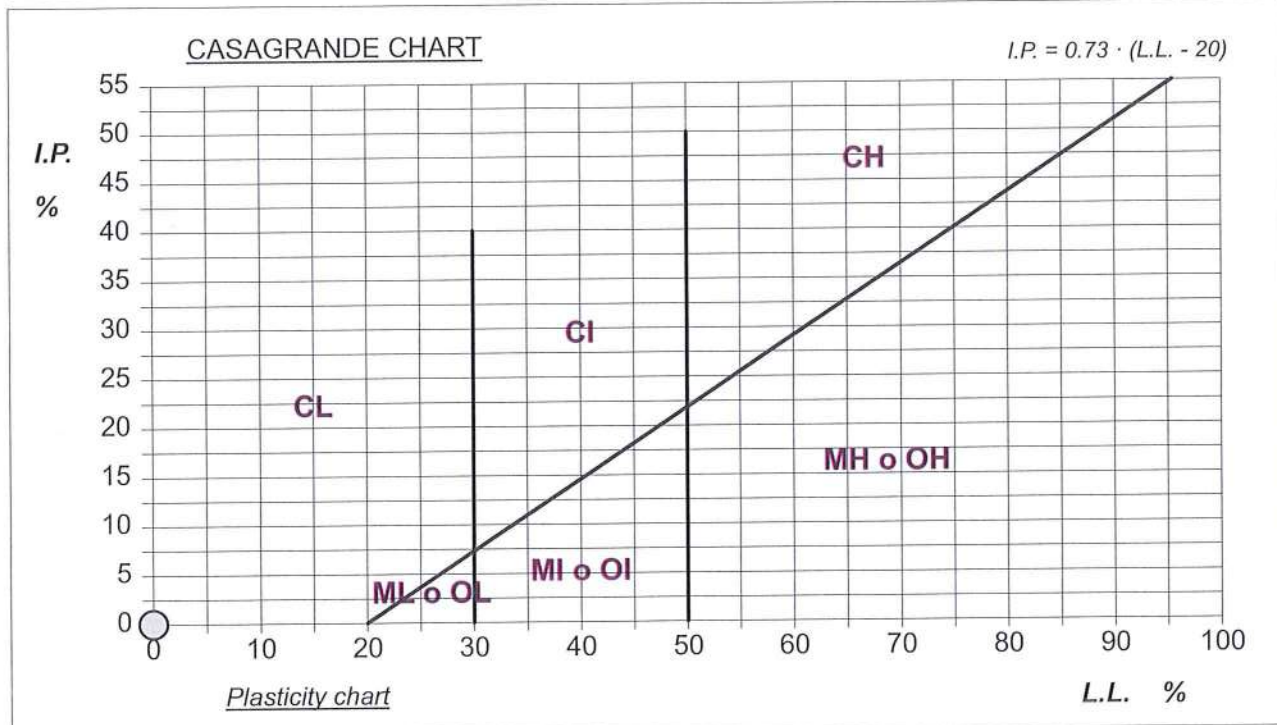
CASAGRANDE CHART

Methods: Standard ASTM D4318-17e1

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index		%
Liquidity index		
Passing the n. 40 sieve		



C - Inorganic clays	L - Low compressibility
M - Inorganic silts	I - Medium compressibility
O - Organic soils	H - High compressibility



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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ORDER	24.002.01
Sample ID	TP1/1-C1
Depth (m)	
Test	GRAIN SIZE AN.
Cert./date	24.0056 17/06/2024

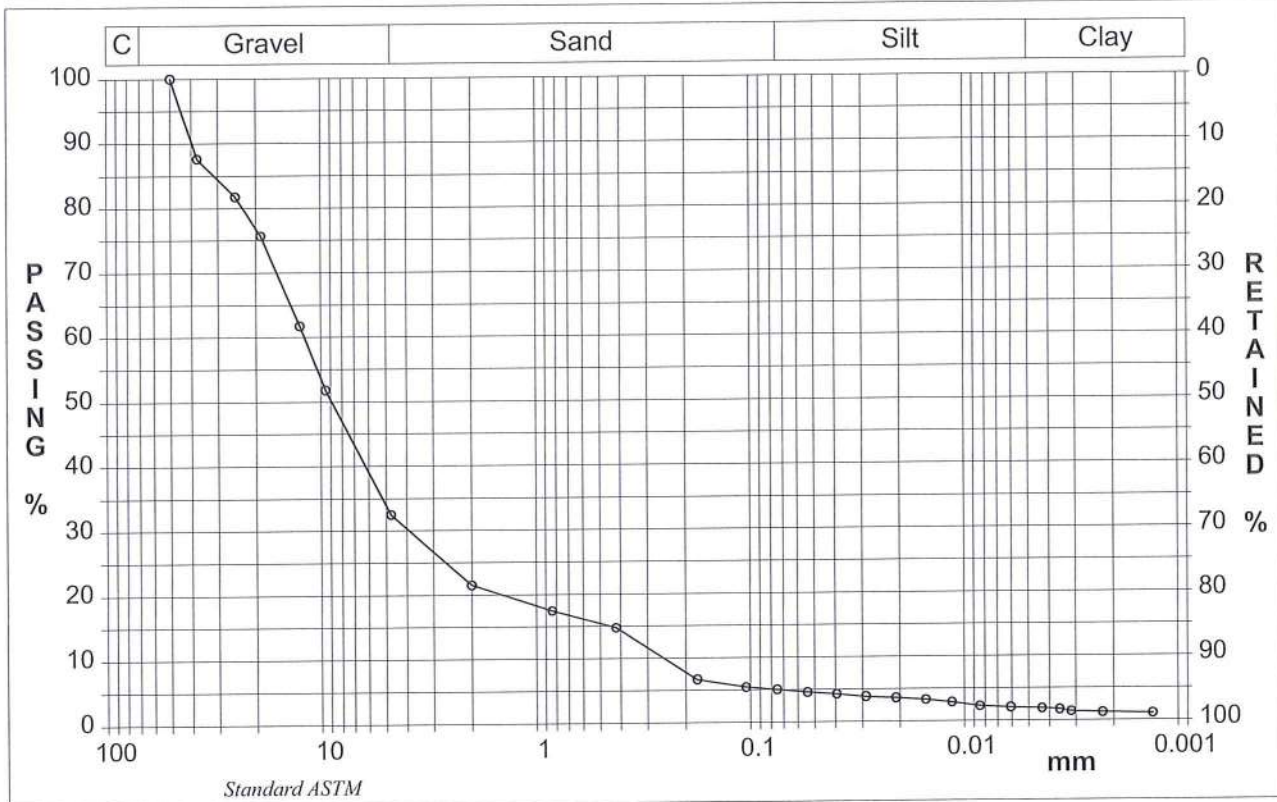
TEST REPORT N°: 24.0056	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 04/06/24	End date: 17/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP1/1	SAMPLE: C1 DEPTH: m

GRAIN SIZE ANALYSIS

Methods: Standard ASTM D6913/D6913M-17

Gravel	67,5 %	Passing n. 10 sieve (2 mm)	21,5 %	D10	0,25218 mm	
Sand	27,5 %	Passing n. 40 sieve (0.42 mm)	14,8 %	D30	3,91268 mm	
Silt	3,1 %	Passing n. 200 sieve (0.075 mm)	5,0 %	D50	8,92278 mm	
Clay	1,9 %			D60	11,92012 mm	
Coefficient of uniformity		47,27	Coefficient of curvature		5,09	
					D90	39,62191 mm



Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %
50,0000	100,00	9,5200	51,80	0,1770	6,69	0,0289	3,87	0,0061	2,04
37,5000	87,63	4,7500	32,46	0,1050	5,45	0,0209	3,63	0,0043	1,88
25,0000	81,74	2,0000	21,49	0,0750	5,05	0,0152	3,31	0,0036	1,72
19,0000	75,67	0,8410	17,44	0,0541	4,59	0,0114	2,91	0,0032	1,40
12,5000	61,73	0,4200	14,77	0,0395	4,27	0,0085	2,28	0,0023	1,24

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	TP2/1-C1
Depth (m)	
Test	WATER CONTENT
Cert./date	24.0057 17/06/2024

TEST REPORT N°: 24.0057	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 13/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: TP2/1	SAMPLE: C1	DEPTH: m

WATER CONTENT

Methods: Standard ASTM D2216-19

W_n = Natural water content = 4,2 %

Soil structure:

- Homogeneous
- Stratified
- Not homogeneous

Drying temperature: 110 °C

Certificate code: FO-116/02-003UMID-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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ORDER	24.002.01
Sample ID	TP2/1-C1
Depth (m)	
Test	SPECIFIC GRAV.
Cert./date	24.0058 17/06/2024

TEST REPORT N°: 24.0058	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 17/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: TP2/1	SAMPLE: C1	DEPTH: m

SPECIFIC GRAVITY

Methods: Standard ASTM D854-23

γ_s = Specific gravity (average of 2 measurements) (kN/m³) = 26,4 kN/m³

γ_{sc} = Specific gravity at 20° (kN/m³) = 26,4 kN/m³

Method: A B

Pycnometer size: 100 ml

Test temperature: 24,0 °C

Certificate code: FO-116/02-005GS-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory





ORDER	24.002.01
Sample ID	TP2/1-C1
Depth (m)	
Test	ATTERBERG L.
Cert./date	24.0059 17/06/2024

TEST REPORT N°: 24.0059	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 13/06/24

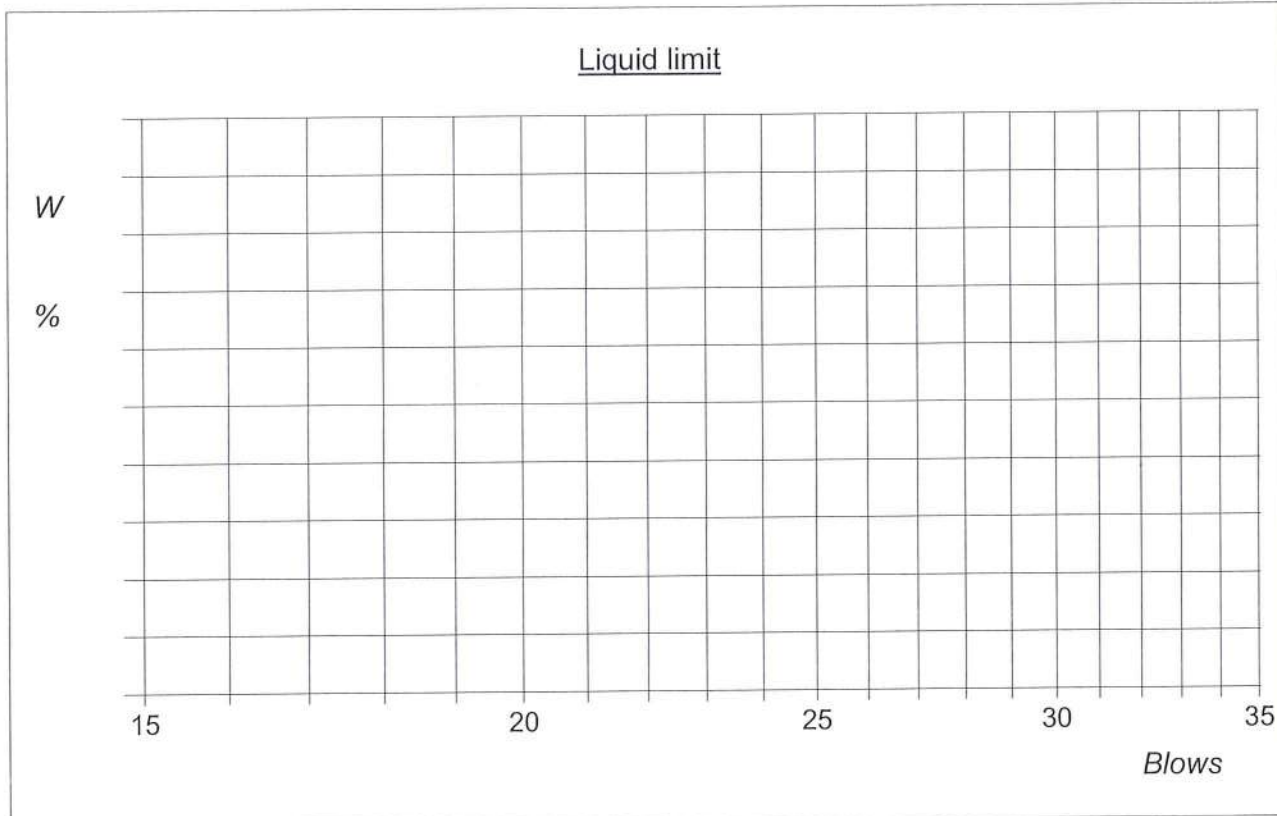
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP2/1	SAMPLE: C1 DEPTH: m

ATTERBERG LIMITS

Methods: Standard ASTM D4318-17e1

Liquid limit	Not determinable	The liquid and plastic limits have been performed on the material passing n° 40 (0.42 mm) sieve
Plastic limit	Not plastic	
Plasticity index	- - -	

LIQUID LIMIT					PLASTIC LIMIT		
Blows					Water content		
Water content					Mean water content		



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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ORDER	24.002.01
Sample ID	TP2/1-C1
Depth (m)	
Test	ATTERBERG L.
Cert./date	24.0059 17/06/2024

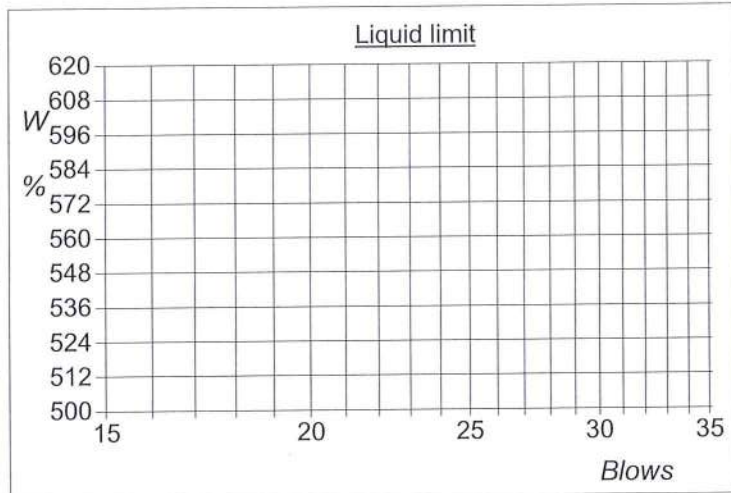
TEST REPORT N°: 24.0059	Allegato 1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 13/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP2/1	SAMPLE: C1 DEPTH: m

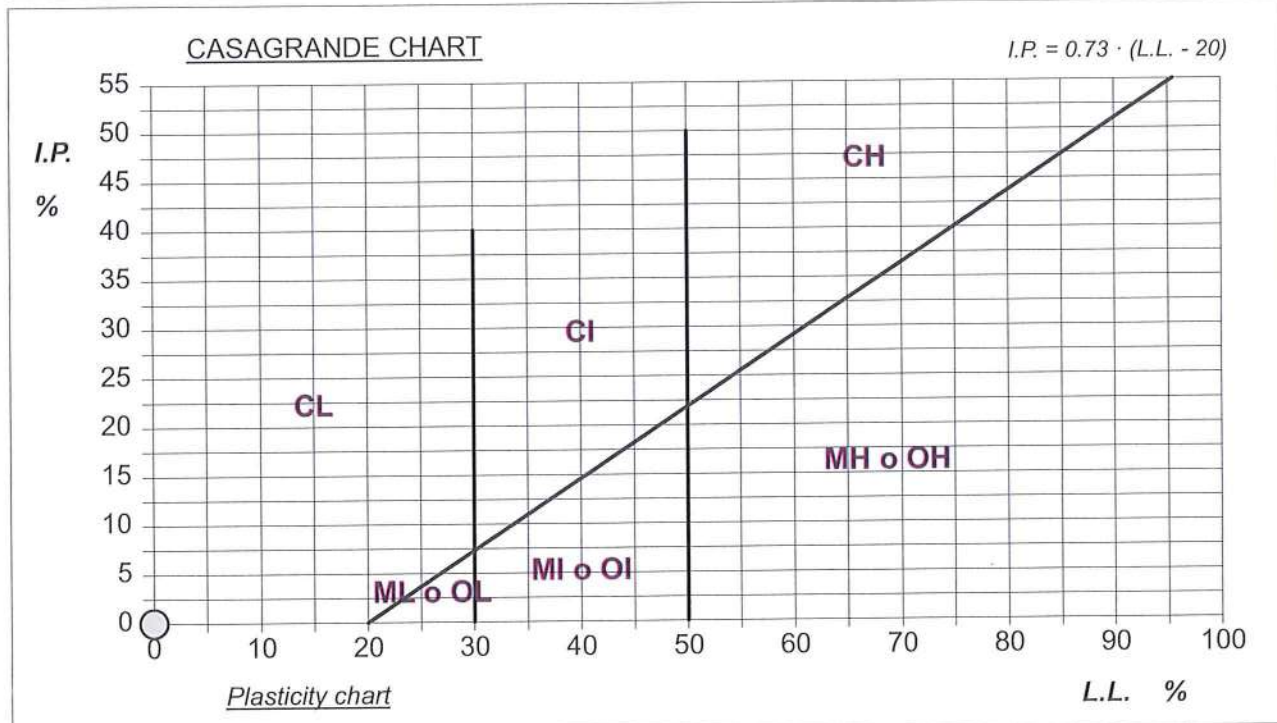
CASAGRANDE CHART

Methods: Standard ASTM D4318-17e1

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index		%
Liquidity index		
Passing the n. 40 sieve		



C - Inorganic clays	L - Low compressibility
M - Inorganic silts	I - Medium compressibility
O - Organic soils	H - High compressibility



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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ORDER	24.002.01
Sample ID	TP2/1-C1
Depth (m)	
Test	GRAIN SIZE AN.
Cert./date	24.0060 17/06/2024

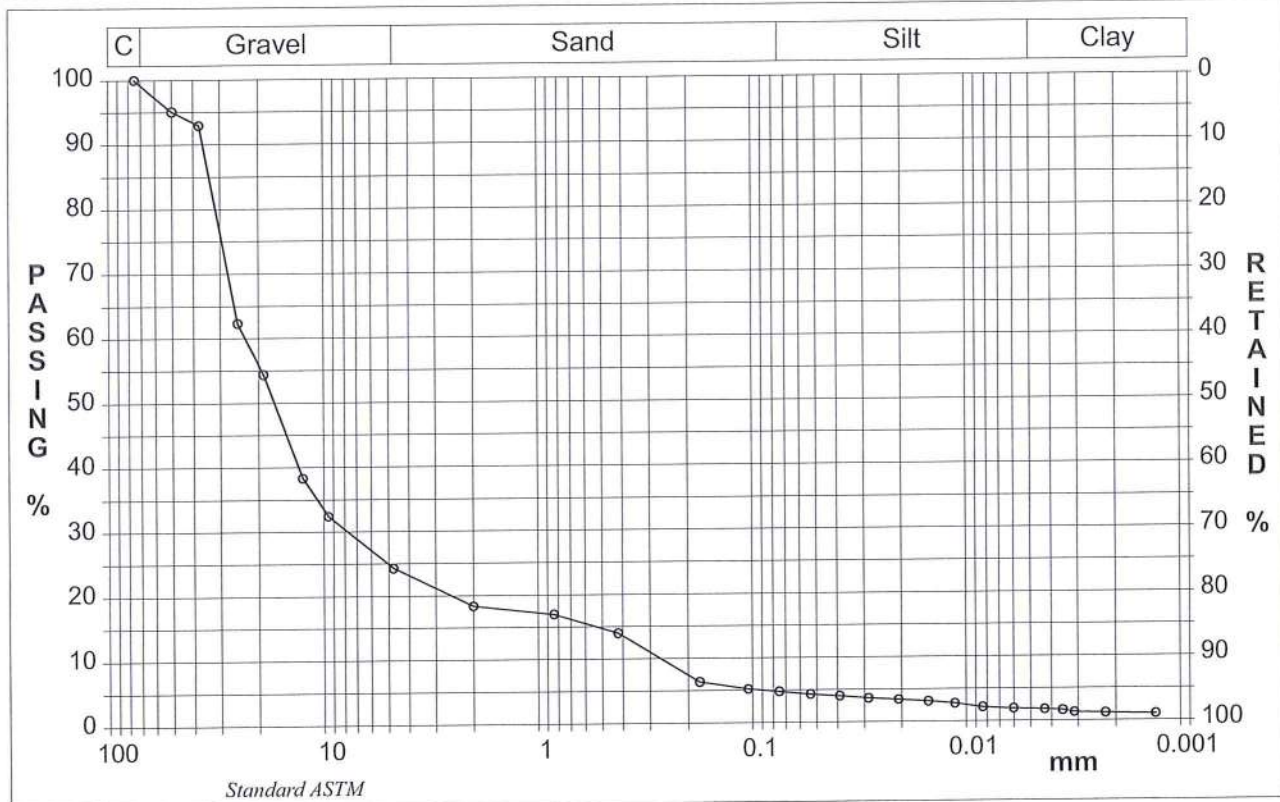
TEST REPORT N°: 24.0060	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 17/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP2/1	SAMPLE: C1 DEPTH: m

GRAIN SIZE ANALYSIS

Methods: Standard ASTM D6913/D6913M-17

Gravel	75,7 %	Passing n. 10 sieve (2 mm)	18,3 %	D10	0,26731 mm	
Sand	19,5 %	Passing n. 40 sieve (0.42 mm)	14,0 %	D30	7,75122 mm	
Silt	3,0 %	Passing n. 200 sieve (0.075 mm)	4,8 %	D50	16,94606 mm	
Clay	1,8 %			D60	23,07096 mm	
Coefficient of uniformity		86,31	Coefficient of curvature		9,74	
					D90	36,06636 mm



Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %
75,0000	100,00	12,5000	38,31	0,4200	13,99	0,0391	4,03	0,0084	2,15
50,0000	95,08	9,5200	32,39	0,1770	6,36	0,0287	3,66	0,0060	1,93
37,5000	92,94	4,7500	24,29	0,1050	5,21	0,0207	3,43	0,0043	1,78
25,0000	62,32	2,0000	18,33	0,0750	4,80	0,0150	3,13	0,0036	1,62
19,0000	54,40	0,8410	16,97	0,0536	4,33	0,0113	2,75	0,0031	1,32

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory





ORDER	24.002.01
Sample ID	TP4-C1
Depth (m)	
Test	WATER CONTENT
Cert./date	24.0061 17/06/2024

TEST REPORT N°: 24.0061	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 13/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: TP4	SAMPLE: C1	DEPTH: m

WATER CONTENT

Methods: Standard ASTM D2216-19

W_n = Natural water content = 1,9 %

Soil structure:

- Homogeneous
- Stratified
- Not homogeneous

Drying temperature: 110 °C

Certificate code: FO-116/02-003UMID-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory





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LT 090 06.03.23

ORDER	24.002.01
Sample ID	TP4-C1
Depth (m)	
Test	SPECIFIC GRAV.
Cert./date	24.0062 17/06/2024

TEST REPORT N°: 24.0062	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 17/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP4	SAMPLE: C1 DEPTH: m

SPECIFIC GRAVITY

Methods: Standard ASTM D854-23

γ_s = Specific gravity (average of 2 measurements) (kN/m³) = 26,1 kN/m³

γ_{sc} = Specific gravity at 20° (kN/m³) = 26,1 kN/m³

Method: A B

Pycnometer size: 100 ml

Test temperature: 24,0 °C

Certificate code: FO-116/02-005GS-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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ORDER	24.002.01
Sample ID	TP4-C1
Depth (m)	
Test	ATTERBERG L.
Cert./date	24.0063 17/06/2024

TEST REPORT N°: 24.0063	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 13/06/24

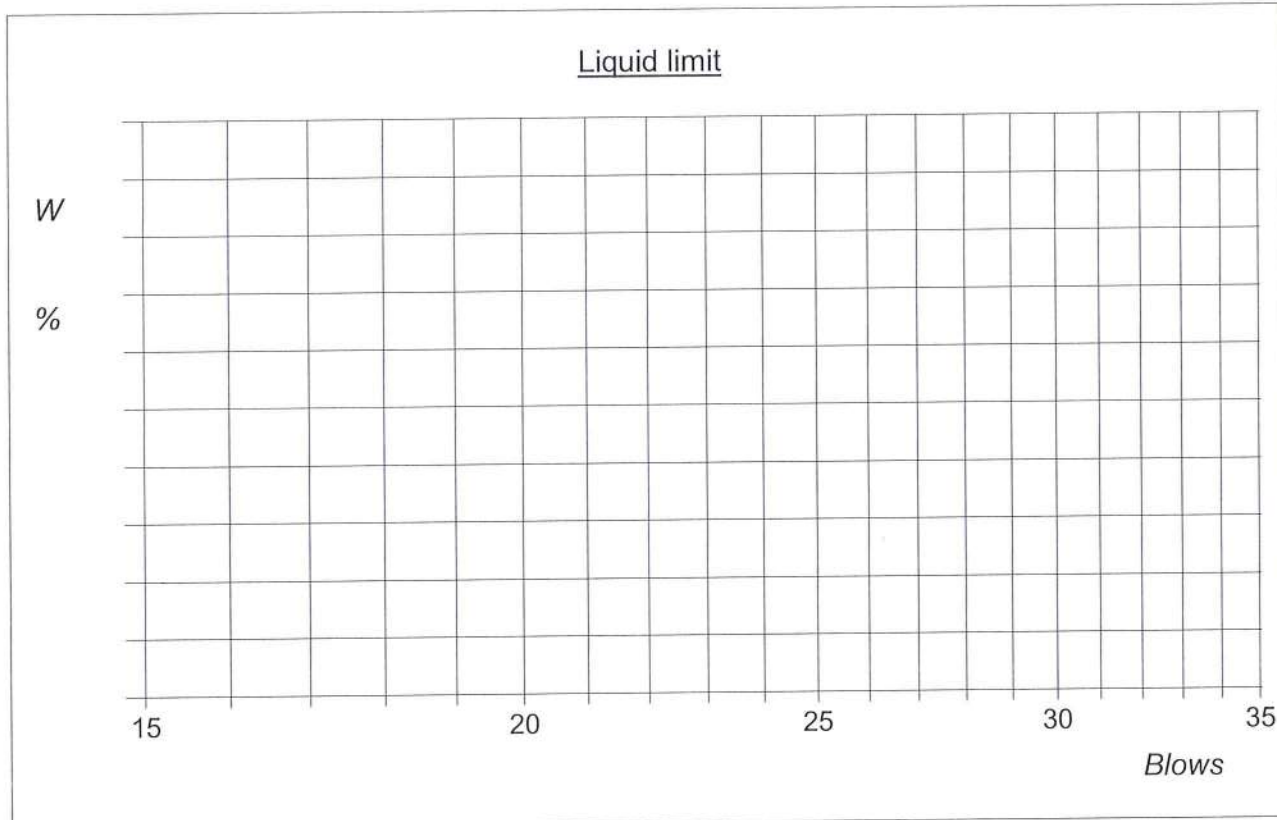
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP4	SAMPLE: C1 DEPTH: m

ATTERBERG LIMITS

Methods: Standard ASTM D4318-17e1

Liquid limit	Not determinable	The liquid and plastic limits have been performed on the material passing n° 40 (0.42 mm) sieve
Plastic limit	Not plastic	
Plasticity index	- - -	

LIQUID LIMIT					PLASTIC LIMIT		
Blows					Water content		
Water content					Mean water content		



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	TP4-C1
Depth (m)	
Test	ATTERBERG L.
Cert./date	24.0063 17/06/2024

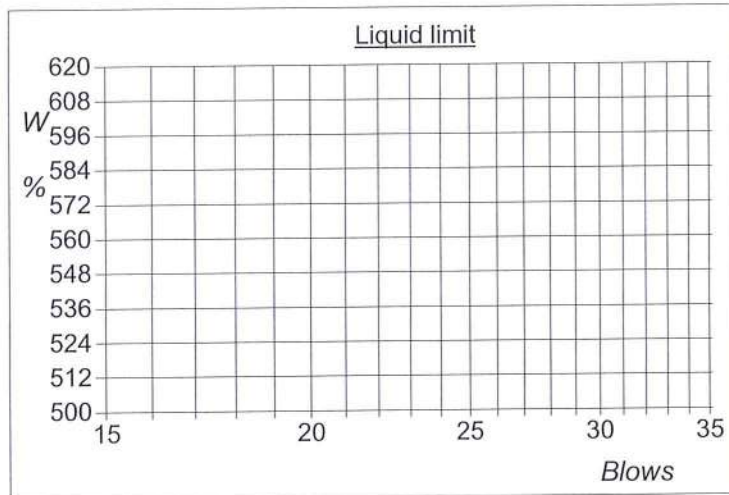
TEST REPORT N°: 24.0063	Allegato 1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 13/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP4	SAMPLE: C1 DEPTH: m

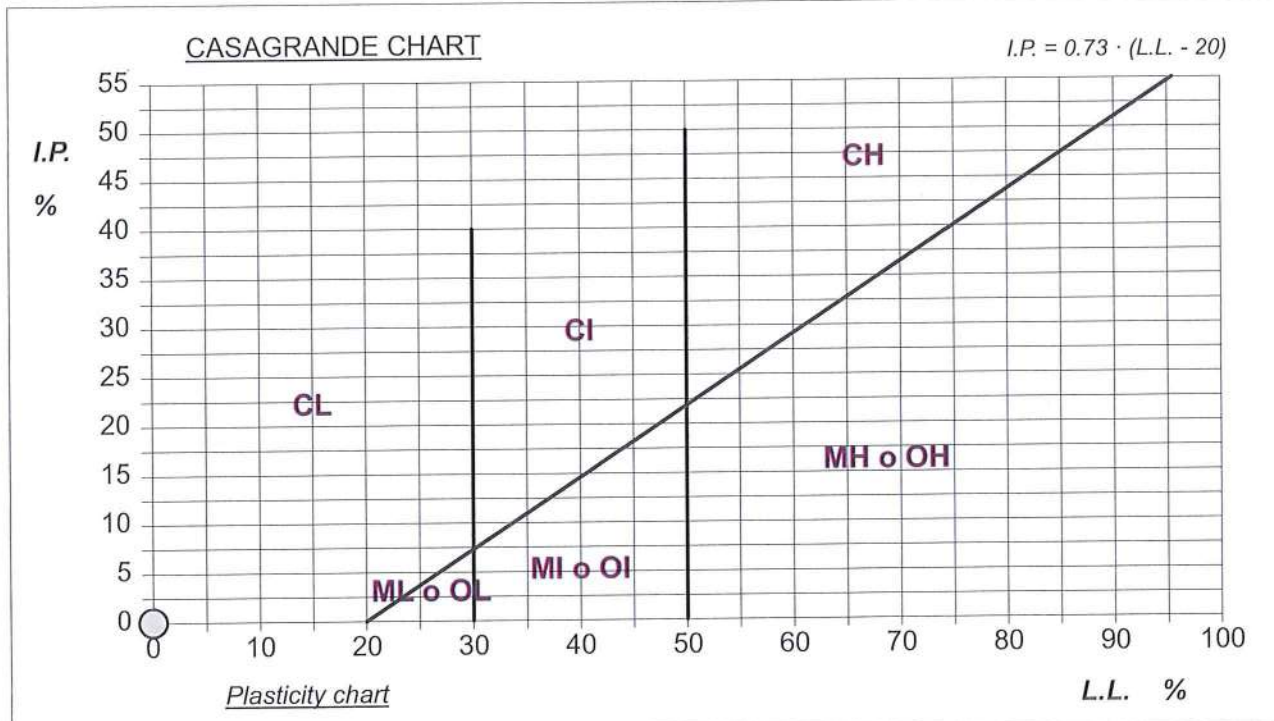
CASAGRANDE CHART

Methods: Standard ASTM D4318-17e1

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index		%
Liquidity index		
Passing the n. 40 sieve		



C - Inorganic clays	L - Low compressibility
M - Inorganic silts	I - Medium compressibility
O - Organic soils	H - High compressibility



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC:16/03/2023
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 Test place: Laboratory

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ORDER	24.002.01
Sample ID	TP4-C1
Depth (m)	
Test	GRAIN SIZE AN.
Cert./date	24.0064 17/06/2024

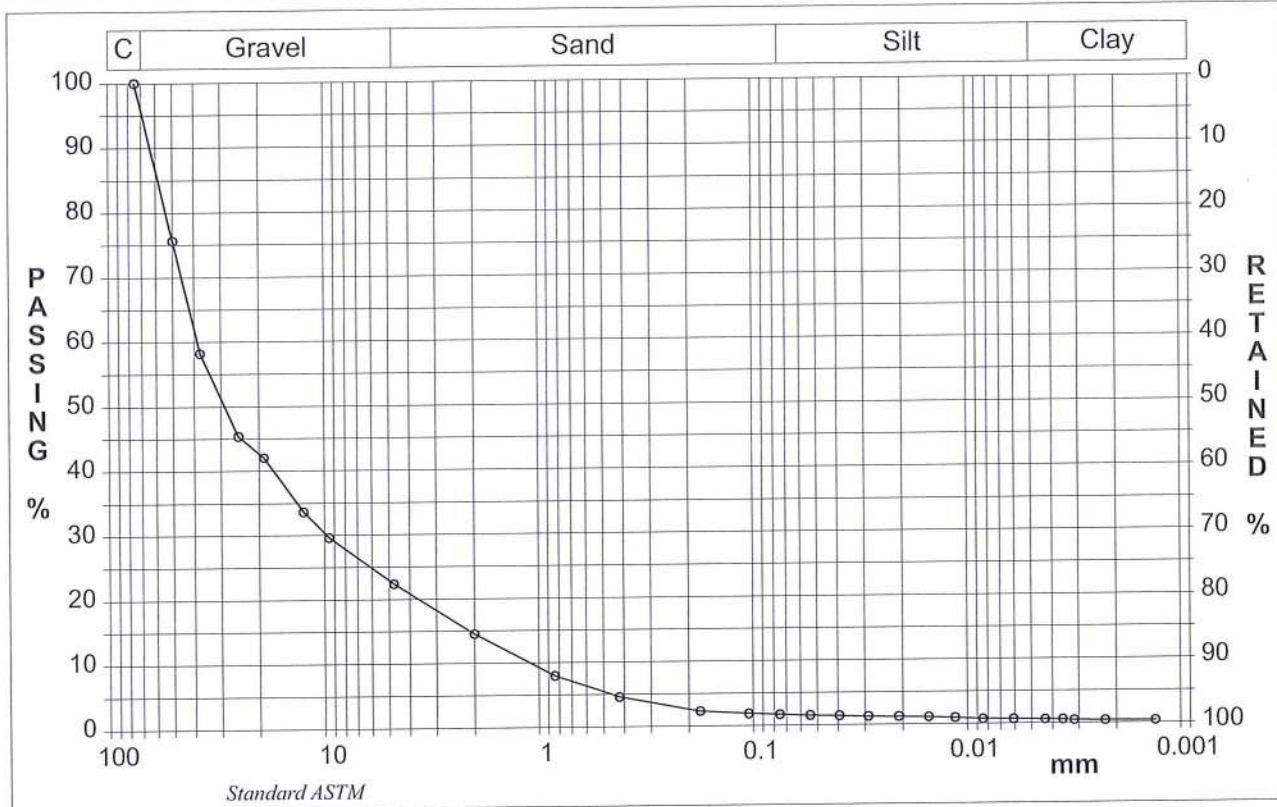
TEST REPORT N°: 24.0064	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 17/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP4	SAMPLE: C1 DEPTH: m

GRAIN SIZE ANALYSIS

Methods: Standard ASTM D6913/D6913M-17

Gravel	77,6 %	Passing n. 10 sieve (2 mm)	14,5 %	D10	1,10041 mm	
Sand	20,7 %	Passing n. 40 sieve (0.42 mm)	4,6 %	D30	9,77652 mm	
Silt	1,1 %	Passing n. 200 sieve (0.075 mm)	1,7 %	D50	28,92871 mm	
Clay	0,6 %			D60	38,61039 mm	
Coefficient of uniformity		35,09	Coefficient of curvature		2,25	
					D90	63,51050 mm



Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %
75,0000	100,00	12,5000	33,60	0,4200	4,61	0,0394	1,42	0,0085	0,76
50,0000	75,62	9,5200	29,61	0,1770	2,31	0,0289	1,29	0,0061	0,68
37,5000	58,24	4,7500	22,39	0,1050	1,85	0,0209	1,21	0,0043	0,62
25,0000	45,37	2,0000	14,52	0,0750	1,68	0,0152	1,10	0,0036	0,57
19,0000	42,05	0,8410	7,97	0,0541	1,52	0,0114	0,97	0,0032	0,47

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Tel: +355 42 453 160 email: info@geotest.al NPT: L21721022K



LT 090 06.03.23

ORDER	24.002.01
Sample ID	TP5-C1
Depth (m)	
Test	WATER CONTENT
Cert./date	24.0066 17/06/2024

TEST REPORT N°: 24.0066	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 13/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: TP5	SAMPLE: C1	DEPTH: m

WATER CONTENT

Methods: Standard ASTM D2216-19

Wn = Natural water content = 1,7 %

Soil structure:

Homogeneous
 Stratified
 Not homogeneous

Drying temperature: 110 °C

Certificate code: FO-116/02-003UMID-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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Experimenter
Dott. D. Del Negro





GEOTEST Sh.p.k.
**Geotechnical and Material Laboratory
and Consulting**

Autostrada Tiranë - Durres km 2 - Mëzez, Kashar, Tiranë
Tel: +355 42 453 100 email: info@geotest.al NIPIT: L21721022K



LT 090 06.03.23

ORDER	24.002.01
Sample ID	TP5-C1
Depth (m)	
Test	SPECIFIC GRAV.
Cert./date	24.0066 17/06/2024

TEST REPORT N°: 24.0066	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 17/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: TP5	SAMPLE: C1	DEPTH: m

SPECIFIC GRAVITY

Methods: Standard ASTM D854-23

γ_s = Specific gravity (average of 2 measurements) (kN/m³) = 26,1 kN/m³

γ_{sc} = Specific gravity at 20° (kN/m³) = 26,1 kN/m³

Method: A B

Pycnometer size: 100 ml

Test temperature: 23,7 °C

Certificate code: FO-116/02-005GS-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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ORDER	24.002.01
Sample ID	TP5-C1
Depth (m)	
Test	ATTERBERG L.
Cert./date	24.0067 17/06/2024

TEST REPORT N°: 24.0067	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 13/06/24

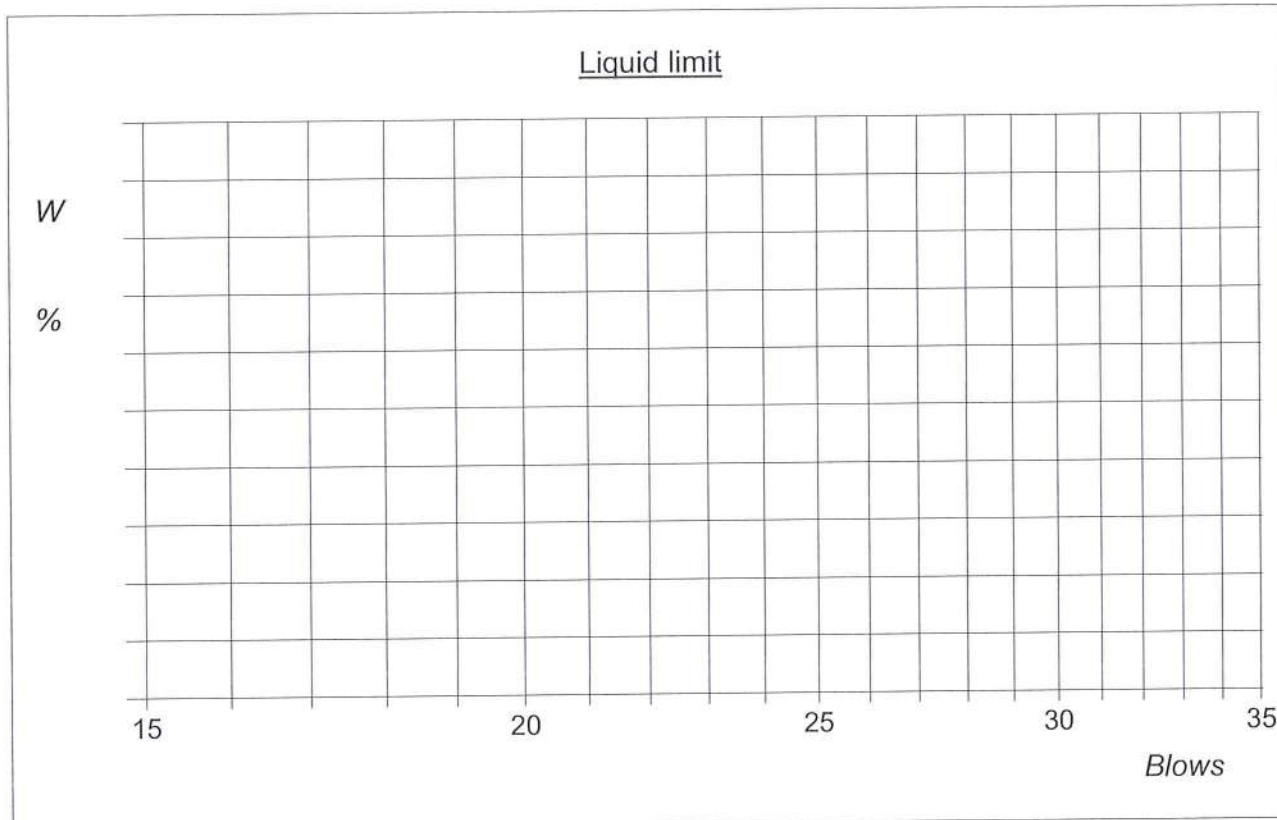
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP5	SAMPLE: C1 DEPTH: m

ATTERBERG LIMITS

Methods: Standard ASTM D4318-17e1

Liquid limit	Not determinable	The liquid and plastic limits have been performed on the material passing n° 40 (0.42 mm) sieve
Plastic limit	Not plastic	
Plasticity index	- - -	

LIQUID LIMIT					PLASTIC LIMIT		
Blows					Water content		
Water content					Mean water content		



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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Dott. D. Del Negro





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ORDER	24.002.01
Sample ID	TP5-C1
Depth (m)	
Test	ATTERBERG L.
Cert./date	24.0067 17/06/2024

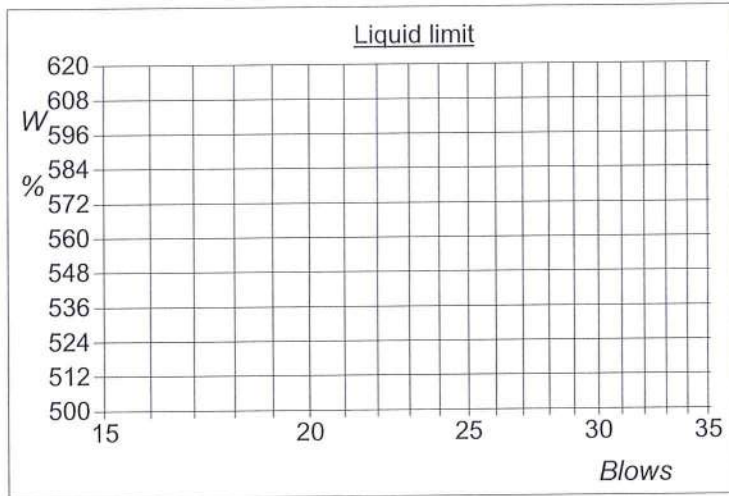
TEST REPORT N°: 24.0067	Allegato 1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 13/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP5	SAMPLE: C1 DEPTH: m

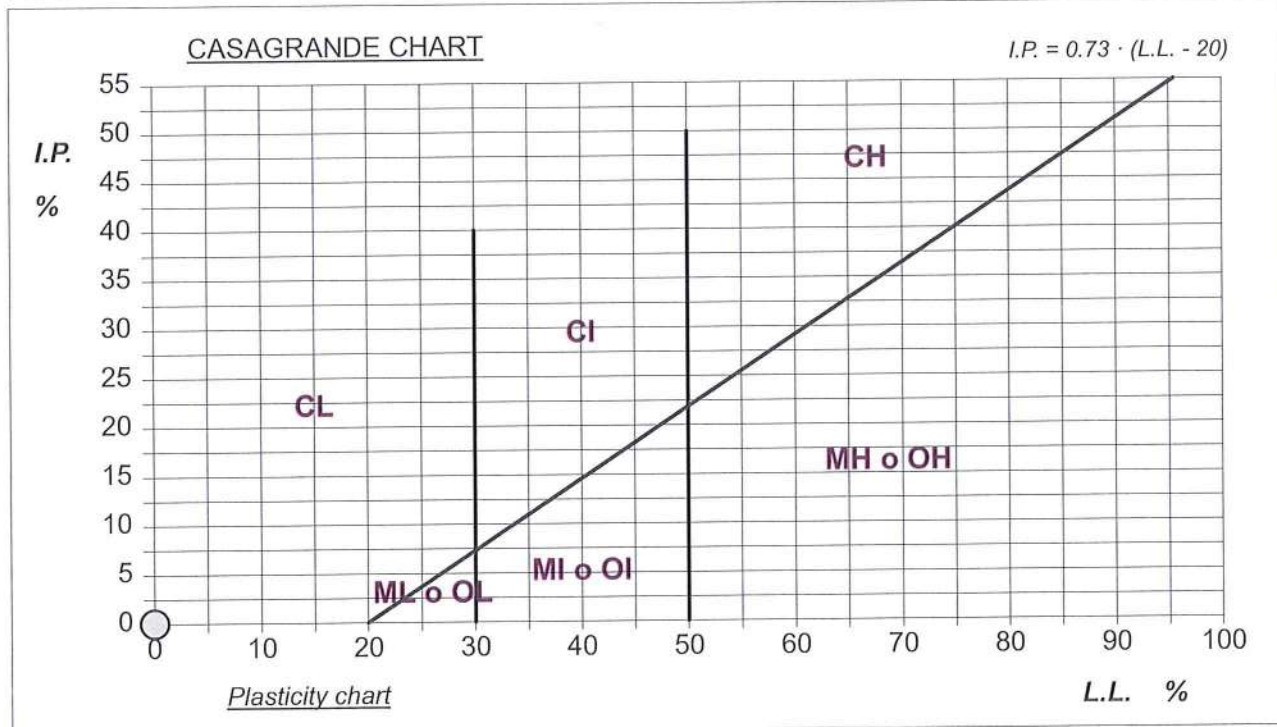
CASAGRANDE CHART

Methods: Standard ASTM D4318-17e1

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index		%
Liquidity index		
Passing the n. 40 sieve		



C - Inorganic clays	L - Low compressibility
M - Inorganic silts	I - Medium compressibility
O - Organic soils	H - High compressibility



Certificate code: FO-116/02-008LIM-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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ORDER	24.002.01
Sample ID	TP5-C1
Depth (m)	
Test	GRAIN SIZE AN.
Cert./date	24.0068 17/06/2024

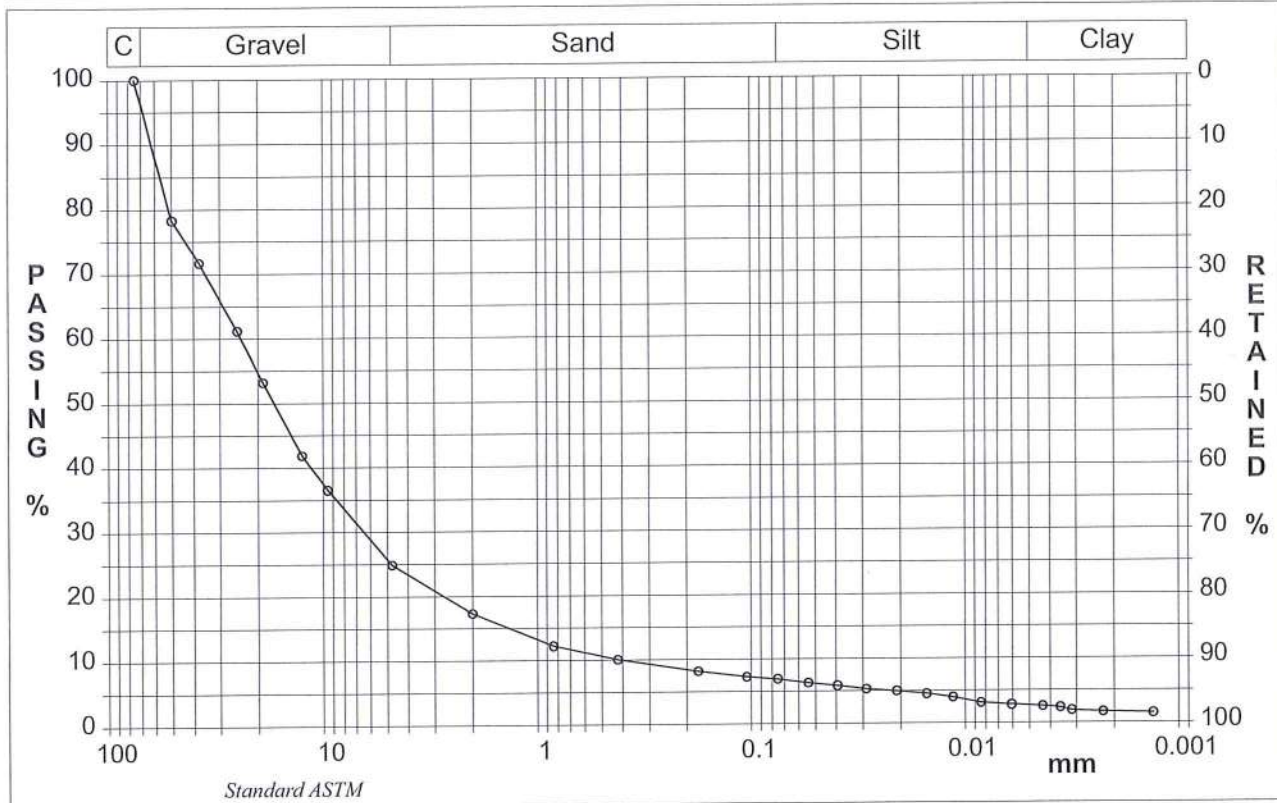
TEST REPORT N°: 24.0068	Page 1/1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 17/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP5	SAMPLE: C1 DEPTH: m

GRAIN SIZE ANALYSIS

Methods: Standard ASTM D6913/D6913M-17

Gravel	75,1 %	Passing n. 10 sieve (2 mm)	17,3 %	D10	0,41118 mm
Sand	18,0 %	Passing n. 40 sieve (0.42 mm)	10,0 %	D30	6,44990 mm
Silt	4,2 %	Passing n. 200 sieve (0.075 mm)	6,9 %	D50	16,88936 mm
Clay	2,7 %			D60	24,00642 mm
Coefficient of uniformity		58,38	Coefficient of curvature		4,21
				D90	62,23461 mm



Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %	Diameter mm	Passing %
75,0000	100,00	12,5000	41,85	0,4200	10,05	0,0394	5,85	0,0084	3,12
50,0000	78,27	9,5200	36,51	0,1770	8,17	0,0289	5,30	0,0061	2,79
37,5000	71,66	4,7500	24,88	0,1050	7,27	0,0209	4,98	0,0043	2,58
25,0000	61,18	2,0000	17,29	0,0750	6,92	0,0151	4,54	0,0036	2,36
19,0000	53,19	0,8410	12,20	0,0540	6,29	0,0114	3,99	0,0032	1,92

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	BH1-C1
Depth (m)	6.00-7.00
Test	GRAIN SIZE AN.
Cert./date	24.0008 03/06/2024

TEST REPORT N°: 24.0008	Allegato 1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0001	date: 24/05/24	Sample opening: 27/05/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH1	SAMPLE: C1	DEPTH: m 6.00-7.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	44,1	%
Passing n. 40 sieve (0.42 mm)	30,4	%
Passing n. 200 sieve (0.075 mm)	17,6	%

ATTERBERG LIMITS

Liquid limit	20,9	%
Plastic limit	15,2	%
Plasticity index	5,7	%

CLASSIFICATION: A1-b GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GM-GC

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	BH1-C2
Depth (m)	11.00-12.00
Test	GRAIN SIZE AN.
Cert./date	24.0004 03/06/2024

TEST CERTIFICATE N°: 24.0004	Allegato 1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0001	date: 24/05/24	Sample opening: 27/05/24	End date: 31/05/24
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: BH1	SAMPLE: C2	DEPTH: m 11.00-12.00	

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	42,9	%
Passing n. 40 sieve (0.42 mm)	27,9	%
Passing n. 200 sieve (0.075 mm)	16,2	%

ATTERBERG LIMITS

Liquid limit	22,6	%
Plastic limit	16,7	%
Plasticity index	5,9	%

CLASSIFICATION: A1-b GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GM-GC

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	BH4-C1
Depth (m)	8.00-9.00
Test	GRAIN SIZE AN.
Cert./date	24.0012 03/06/2024

TEST REPORT N°: 24.0012	Allegato 1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0001	date: 24/05/24	Sample opening: 27/05/24	End date: 31/05/24
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: BH4	SAMPLE: C1	DEPTH: m 8.00-9.00	

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	25,0	%
Passing n. 40 sieve (0.42 mm)	14,0	%
Passing n. 200 sieve (0.075 mm)	7,9	%

ATTERBERG LIMITS

Liquid limit	18,8	%
Plastic limit	14,5	%
Plasticity index	4,3	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP-GM-GC

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	BH8-C1
Depth (m)	7.00-8.00
Test	GRAIN SIZE AN.
Cert./date	24.0016 03/06/2024

TEST REPORT N°: 24.0016	Allegato 1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0001	date: 24/05/24	Sample opening: 27/05/24	End date: 31/05/24
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: BH8	SAMPLE: C1	DEPTH: m 7.00-8.00	

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	52,6	%
Passing n. 40 sieve (0.42 mm)	36,0	%
Passing n. 200 sieve (0.075 mm)	20,7	%

ATTERBERG LIMITS

Liquid limit	21,3	%
Plastic limit	16,4	%
Plasticity index	4,9	%

CLASSIFICATION: A1-b GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: SM-SC

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	BH8-C2
Depth (m)	12.00-13.00
Test	GRAIN SIZE AN.
Cert./date	24.0020 03/06/2024

TEST REPORT N°: 24.0020	Allegato 1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0001	date: 24/05/24	Sample opening: 27/05/24	End date: 31/05/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH8	SAMPLE: C2	DEPTH: m 12.00-13.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	28,5 %
Passing n. 40 sieve (0.42 mm)	15,3 %
Passing n. 200 sieve (0.075 mm)	8,7 %

ATTERBERG LIMITS

Liquid limit	18,2 %
Plastic limit	13,6 %
Plasticity index	4,6 %

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP-GM-GC

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	BH11-C1
Depth (m)	5.00-6.00
Test	GRAIN SIZE AN.
Cert./date	24.0024 03/06/2024

TEST REPORT N°: 24.0024	Allegato 1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0001	date: 24/05/24	Sample opening: 27/05/24	End date: 31/05/24
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: BH11	SAMPLE: C1	DEPTH: m 5.00-6.00	

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	28,8	%
Passing n. 40 sieve (0.42 mm)	16,3	%
Passing n. 200 sieve (0.075 mm)	9,7	%

ATTERBERG LIMITS

Liquid limit	19,9	%
Plastic limit	14,7	%
Plasticity index	5,2	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP-GM-GC

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	BH13-C1
Depth (m)	12.50-13.50
Test	GRAIN SIZE AN.
Cert./date	24.0028 03/06/2024

TEST REPORT N°: 24.0028	Allegato 1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0001	date: 24/05/24	Sample opening: 27/05/24	End date: 31/05/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH13	SAMPLE: C1 DEPTH: m 12.50-13.50

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	30,1 %
Passing n. 40 sieve (0.42 mm)	17,4 %
Passing n. 200 sieve (0.075 mm)	10,5 %

ATTERBERG LIMITS

Liquid limit	20,0 %
Plastic limit	14,2 %
Plasticity index	5,8 %

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP-GM-GC

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	BH16-C1
Depth (m)	9.00-10.00
Test	GRAIN SIZE AN.
Cert./date	24.0032 03/06/2024

TEST REPORT N°: 24.0032	Allegato 1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0001	date: 24/05/24	Sample opening: 27/05/24	End date: 31/05/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH16	SAMPLE: C1	DEPTH: m 9.00-10.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	30,1 %
Passing n. 40 sieve (0.42 mm)	17,4 %
Passing n. 200 sieve (0.075 mm)	10,5 %

ATTERBERG LIMITS

Liquid limit	20,0 %
Plastic limit	14,2 %
Plasticity index	5,8 %

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP-GM-GC

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	BH19-C1
Depth (m)	6.00-7.00
Test	GRAIN SIZE AN.
Cert./date	24.0036 03/06/2024

TEST REPORT N°: 24.0036	Allegato 1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0001	date: 24/05/24	Sample opening: 27/05/24	End date: 31/05/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH19	SAMPLE: C1 DEPTH: m 6.00-7.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	25,0	%
Passing n. 40 sieve (0.42 mm)	13,7	%
Passing n. 200 sieve (0.075 mm)	7,9	%

ATTERBERG LIMITS

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index	---	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP-GM

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

SGEO - Laboratorio 7.0 - 2022

Experimenter
 Dott. D. Del Negro

Laboratory Manager
 Dott. Andrea Forlani





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LT 090 06.03.23

ORDER	24.002.01
Sample ID	BH21-C1
Depth (m)	6.00-7.00
Test	GRAIN SIZE AN.
Cert./date	24.0040 03/06/2024

TEST REPORT N°: 24.0040	Allegato 1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0001	date: 24/05/24	Sample opening: 27/05/24	End date: 31/05/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH21	SAMPLE: C1	DEPTH: m 6.00-7.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	30,4	%
Passing n. 40 sieve (0.42 mm)	16,6	%
Passing n. 200 sieve (0.075 mm)	9,7	%

ATTERBERG LIMITS

Liquid limit	16,9	%
Plastic limit	13,9	%
Plasticity index	3,0	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP-GM

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

SGEO - Laboratorio 7.0 - 2022

Experimenter

Dott. D. Del Negro





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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	7.00-8.00
Test	GRAIN SIZE AN.
Cert./date	24.0072 17/06/2024

TEST REPORT N°: 24.0072	Allegato 1	Issue date: 17/06/2024	Start date: 05/06/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 10/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH2	SAMPLE: C1
	DEPTH: m 7.00-8.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	17,1	%
Passing n. 40 sieve (0.42 mm)	11,8	%
Passing n. 200 sieve (0.075 mm)	3,7	%

ATTERBERG LIMITS

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index	- - -	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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Experimenter
Dott. Daniel Del Negro

Laboratory Manager
Dott. Andrea Fortani





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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	8.00-9.00
Test	GRAIN SIZE AN.
Cert./date	24.0076 03/06/24

TEST REPORT N°: 24.0076	Allegato 1	Issue date:	03/06/24	Start date:	29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening:	05/06/24	End date:	01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH3	SAMPLE: C1	DEPTH: m 8.00-9.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	17,2	%
Passing n. 40 sieve (0.42 mm)	11,9	%
Passing n. 200 sieve (0.075 mm)	3,9	%

ATTERBERG LIMITS

Liquid limit	20	%
Plastic limit	17	%
Plasticity index	3	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	8.00-9.00
Test	GRAIN SIZE AN.
Cert./date	24.0012 03/06/24

TEST CERTIFICATE N°: 24.0012	Allegato 1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0001	date: 24/05/24	Sample opening: 27/05/24	End date: 31/05/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH4	SAMPLE: C1 DEPTH: m 8.00-9.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	25,0	%
Passing n. 40 sieve (0.42 mm)	14,0	%
Passing n. 200 sieve (0.075 mm)	7,9	%

ATTERBERG LIMITS

Liquid limit	---	%
Plastic limit	---	%
Plasticity index	---	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP-GM

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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ORDER	24.002.01
Sample ID	
Depth (m)	11.00-12.00
Test	GRAIN SIZE AN.
Cert./date	24.0080 17/06/2024

TEST CERTIFICATE N°: 24.0080	Allegato 1	Issue date: 17/06/2024	Start date: 05/06/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 08/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH5	SAMPLE: C1	DEPTH: m 11.00-12.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	16,1	%
Passing n. 40 sieve (0.42 mm)	8,6	%
Passing n. 200 sieve (0.075 mm)	3,7	%

ATTERBERG LIMITS

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index	- - -	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	7.00-8.00
Test	GRAIN SIZE AN.
Cert./date	24.0084 03/06/24

TEST CERTIFICATE N°: 24.0084	Allegato 1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH6	SAMPLE: C1	DEPTH: m 7.00-8.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	22,3	%
Passing n. 40 sieve (0.42 mm)	13,7	%
Passing n. 200 sieve (0.075 mm)	5,9	%

ATTERBERG LIMITS

Liquid limit	23	%
Plastic limit	18	%
Plasticity index	5	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP-GM-GC

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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Experimenter
Dott. Daniel Del Negro

Laboratory Manager
Dott. Andrea Forlani





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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	11.00-12.00
Test	GRAIN SIZE AN.
Cert./date	24.0088 03/06/24

TEST CERTIFICATE N°: 24.0088	Allegato 1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH7	SAMPLE: C1 DEPTH: m 11.00-12.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	21,8	%
Passing n. 40 sieve (0.42 mm)	6,7	%
Passing n. 200 sieve (0.075 mm)	1,9	%

ATTERBERG LIMITS

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index	- - -	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GW

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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Experimenter
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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	8.00-9.00
Test	GRAIN SIZE AN.
Cert./date	24.0092 03/06/24

TEST CERTIFICATE N°: 24.0092	Allegato 1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH9	SAMPLE: C1	DEPTH: m 8.00-9.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	13,1	%
Passing n. 40 sieve (0.42 mm)	7,5	%
Passing n. 200 sieve (0.075 mm)	3,1	%

ATTERBERG LIMITS

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index	- - -	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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Laboratory Manager
Dott. Andrea Forlani

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L21721022K

Mëzyq, Tiranë



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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	13.00-14.00
Test	GRAIN SIZE AN.
Cert./date	24.0096 03/06/24

TEST CERTIFICATE N°: 24.0096	Allegato 1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: BH10	SAMPLE: C1	DEPTH: m 13.00-14.00	

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	21,6	%
Passing n. 40 sieve (0.42 mm)	9,6	%
Passing n. 200 sieve (0.075 mm)	6,0	%

ATTERBERG LIMITS

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index	- - -	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP-GM

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	6.00-7.00
Test	GRAIN SIZE AN.
Cert./date	24.00100 03/06/24

TEST CERTIFICATE N°: 24.00100	Allegato 1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: BH12	SAMPLE: C1 DEPTH: m 6.00-7.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	19,4 %
Passing n. 40 sieve (0.42 mm)	8,2 %
Passing n. 200 sieve (0.075 mm)	3,3 %

ATTERBERG LIMITS

Liquid limit	22 %
Plastic limit	17 %
Plasticity index	5 %

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GW

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Autostrada Tirana-Durrës

Mëzod, Tiranë (Alb.)



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ORDER	24.002.01
Sample ID	
Depth (m)	11.00-12.00
Test	GRAIN SIZE AN.
Cert./date	24.0104 03/06/24

TEST CERTIFICATE N°: 24.0104	Allegato 1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH14	SAMPLE: C1	DEPTH: m 11.00-12.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	22,0	%
Passing n. 40 sieve (0.42 mm)	9,0	%
Passing n. 200 sieve (0.075 mm)	3,4	%

ATTERBERG LIMITS

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index	- - -	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GW

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	BH15-1-C1
Depth (m)	4.00-5.00
Test	GRAIN SIZE AN.
Cert./date	24.0128 20/06/2024

TEST CERTIFICATE N°: 24.0128	Allegato 1	Issue date: 20/06/2024	Start date: 18/06/24
Acceptance note n°: 0006	date: 12/06/24	Sample opening: 12/06/24	End date: 20/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH15-1	SAMPLE: C1	DEPTH: m 4.00-5.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	40,2	%
Passing n. 40 sieve (0.42 mm)	21,7	%
Passing n. 200 sieve (0.075 mm)	12,1	%

ATTERBERG LIMITS

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index	- - -	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GM

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	9.00-10.00
Test	GRAIN SIZE AN.
Cert./date	24.0108 03/06/24

TEST CERTIFICATE N°: 24.0108	Allegato 1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH15	SAMPLE: C1	DEPTH: m 9.00-10.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	23,1	%
Passing n. 40 sieve (0.42 mm)	10,8	%
Passing n. 200 sieve (0.075 mm)	4,7	%

ATTERBERG LIMITS

Liquid limit	21	%
Plastic limit	17	%
Plasticity index	4	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GW

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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Experimenter
Dott. Daniel Del Negro





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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	6.00-7.00
Test	GRAIN SIZE AN.
Cert./date	24.0112 03/06/24

TEST CERTIFICATE N°: 24.0112	Allegato 1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: BH18	SAMPLE: C1	DEPTH: m 6.00-7.00	

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	30,4 %
Passing n. 40 sieve (0.42 mm)	13,4 %
Passing n. 200 sieve (0.075 mm)	7,4 %

ATTERBERG LIMITS

Liquid limit	26 %
Plastic limit	19 %
Plasticity index	7 %

CLASSIFICATION: A2-4 GROUP INDEX: 0

Tipi usuali dei materiali principali:
Ghiaia limosa o argillosa e sabbia

CLASSIFICAZIONE USCS: GW-GM-GC

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

SGEO - Laboratorio 7.0 - 2022

Experimenter
Dott. Daniel Del Negro

Laboratory Manager
Dott. Andrea Forlani SHPK





GEOTEST Sh.p.k.
Geotechnical and Material Laboratory
and Consulting

Autoshtrada Tiranë - Durrës km 2 - Mëzoq, Kashar, Tiranë
Tel: +355 42 453 160 email: info@geotest.al NIPF: L21721022K



LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	8.00-9.00
Test	GRAIN SIZE AN.
Cert./date	24.0116 03/06/24

TEST CERTIFICATE N°: 24.0116	Allegato 1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH20	SAMPLE: C1	DEPTH: m 8.00-9.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	18,5	%
Passing n. 40 sieve (0.42 mm)	6,0	%
Passing n. 200 sieve (0.075 mm)	2,7	%

ATTERBERG LIMITS

Liquid limit	23	%
Plastic limit	17	%
Plasticity index	6	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

SGEO - Laboratorio 7.0 - 2022

Experimenter
Dott. Daniel Del Negro





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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	5.00-6.00
Test	GRAIN SIZE AN.
Cert./date	24.0120 03/06/24

TEST CERTIFICATE N°: 24.0120	Allegato 1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH22	SAMPLE: C1	DEPTH: m 5.00-6.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	19,8	%
Passing n. 40 sieve (0.42 mm)	2,9	%
Passing n. 200 sieve (0.075 mm)	1,0	%

ATTERBERG LIMITS

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index	- - -	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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Experimenter
Dott. Daniel Del Negro

Laboratory Manager
Dott. Andrea Fortani





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LT 090 06.03.23

ORDER	24.002.01
Sample ID	
Depth (m)	4.00-5.00
Test	GRAIN SIZE AN.
Cert./date	24.0124 03/06/24

TEST CERTIFICATE N°: 24.0124	Allegato 1	Issue date: 03/06/24	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 05/06/24	End date: 01/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: BH23	SAMPLE: C1	DEPTH: m 4.00-5.00

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	24,0	%
Passing n. 40 sieve (0.42 mm)	7,9	%
Passing n. 200 sieve (0.075 mm)	4,0	%

ATTERBERG LIMITS

Liquid limit	22	%
Plastic limit	18	%
Plasticity index	4	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC: 16/03/2023

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Test location: Laboratory

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Experimenter
Dott. Daniel Del Negro

Laboratory Manager
Dott. Andrea Forlani





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LT 090 06.03.23

ORDER	24.002.01
Sample ID	TP1-C1
Depth (m)	
Test	GRAIN SIZE AN.
Cert./date	24.0052 03/06/2024

TEST REPORT N°: 24.0052	Allegato 1	Issue date: 03/06/2024	Start date: 29/05/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 04/06/24	End date: 01/06/24
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: TP1	SAMPLE: C1	DEPTH: m	

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	98,5	%
Passing n. 40 sieve (0.42 mm)	96,0	%
Passing n. 200 sieve (0.075 mm)	34,1	%

ATTERBERG LIMITS

Liquid limit	22,5	%
Plastic limit	15,6	%
Plasticity index	6,9	%

CLASSIFICATION: A2-4 GROUP INDEX: 0

Tipi usuali dei materiali principali:
Ghiaia limosa o argillosa e sabbia

CLASSIFICAZIONE USCS: SM-SC

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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Experimenter
Dott. D. Del Negro

Laboratory Manager
Dott. Andrea Forlani



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ORDER	24.002.01
Sample ID	TP1/1-C1
Depth (m)	
Test	GRAIN SIZE AN.
Cert./date	24.0056 17/06/2024

TEST REPORT N°: 24.0056	Allegato 1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0002	date: 04/06/24	Sample opening: 04/06/24	End date: 17/06/24
CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK		
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN		
BOREHOLE: TP1/1	SAMPLE: C1	DEPTH: m	

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	21,5	%
Passing n. 40 sieve (0.42 mm)	14,8	%
Passing n. 200 sieve (0.075 mm)	5,0	%

ATTERBERG LIMITS

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index	---	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP-GM

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	TP2/1-C1
Depth (m)	
Test	GRAIN SIZE AN.
Cert./date	24.0060 17/06/2024

TEST REPORT N°: 24.0060	Allegato 1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 17/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP2/1	SAMPLE: C1 DEPTH: m

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

ATTERBERG LIMITS

Passing n. 10 sieve (2 mm)	18,3 %	Liquid limit	N.D. %
Passing n. 40 sieve (0.42 mm)	14,0 %	Plastic limit	N.D. %
Passing n. 200 sieve (0.075 mm)	4,8 %	Plasticity index	- - - %

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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Experimenter

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	TP4-C1
Depth (m)	
Test	GRAIN SIZE AN.
Cert./date	24.0064 17/06/2024

TEST REPORT N°: 24.0064	Allegato 1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 17/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK	
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN	
BOREHOLE: TP4	SAMPLE: C1	DEPTH: m

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	14,5	%
Passing n. 40 sieve (0.42 mm)	4,6	%
Passing n. 200 sieve (0.075 mm)	1,7	%

ATTERBERG LIMITS

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index	- - -	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GW

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

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LT 090 06.03.23

ORDER	24.002.01
Sample ID	TP5-C1
Depth (m)	
Test	GRAIN SIZE AN.
Cert./date	24.0068 17/06/2024

TEST REPORT N°: 24.0068	Allegato 1	Issue date: 17/06/2024	Start date: 12/06/24
Acceptance note n°: 0003	date: 04/06/24	Sample opening: 04/06/24	End date: 17/06/24

CLIENT: SEED CONSULTING SHPK	APPLICANT: SEED CONSULTING SHPK
LOCATION: ELBASAN	JOB: AUTO MOTO PARK-ELBASAN
BOREHOLE: TP5	SAMPLE: C1 DEPTH: m

CLASSIFICATION

Classification according to: H.R.B. Classification - USCS

GRAIN SIZE ANALYSIS

Passing n. 10 sieve (2 mm)	17,3	%
Passing n. 40 sieve (0.42 mm)	10,0	%
Passing n. 200 sieve (0.075 mm)	6,9	%

ATTERBERG LIMITS

Liquid limit	N.D.	%
Plastic limit	N.D.	%
Plasticity index	- - -	%

CLASSIFICATION: A1-a GROUP INDEX: 0

Tipi usuali dei materiali principali:

Ghiaia o breccia, sabbia grossa, pomice, scorie vulcaniche, pozzolane

CLASSIFICAZIONE USCS: GP-GM

Certificate code: FO-116/02-007GRC-T / RIP:03-16/03/2023 / CIRC:16/03/2023

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Test place: Laboratory

SGEO - Laboratorio 7.0 - 2022

Experimenter
 Dott. D. Del Negro

Laboratory Manager
 Dott. Andrea Colanani



SUMMARY TABLE

CLIENT: SEED CONSULTING SHPK

JOB: AUTO MOTO PARK -ELBASAN

LOCATION: ELBASAN

BOREHOLE:

Date Starting: 27/05/2024

Ending: 26/06/2024



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 NIPPT LBT 1721022K

BOREHOLE	SAMPLE N°	DEPTH (m)		Grain size analysis					Atterberg Limits				Soil classification		Moisture content	Bulk Density	Determination of particle density	Organic content	Proctor Modified		CBR
		from	to	G	S	M	C	LL	PL	PI	AASHTO	USCS	%	%					KN/m ³	KN/m ³	
BH1	C2	11,00	12,00	45,50	36,90	10,10	7,50	22,60	16,70	5,90	A1-b	GM-GC	6,40	26,05	1,20						
BH4	C1	8,00	9,00	64,20	27,90	4,60	3,30	18,80	14,50	4,30	A1-a	GP-GM	5,10	25,71	1,20						
BH8	C1	7,00	8,00	35,60	43,60	11,00	9,50	21,30	16,40	4,90	A1-b	SM-SC	2,80	25,59	2,08						
BH8	C2	12,00	13,00	62,10	29,20	4,60	4,10	18,20	13,60	4,60	A1-a	GP-GM/GC	5,20	26,08							
BH11	C1	5,00	6,00	61,50	28,80	5,20	4,50	19,90	14,70	5,20	A1-a	GP-GM/GC	17,30	27,05	1,28						
BH13	C1	12,50	13,50	58,90	29,70	5,70	4,80	20,00	14,20	5,80	A1-a	GP-GM/GC	8,70	26,62							
BH16	C1	9,00	10,00	56,70	36,00	4,40	2,90	20,00	14,30	5,80	A1-a	GP-GM/GC	5,10	27,07							
BH19	C1	6,00	7,00	64,10	28,00	4,50	3,40	NOT PLASTIC			A1-a	GP-GM	5,00	25,97							
BH21	C21	6,00	7,00	58,08	31,50	5,00	4,70	16,90	13,90	3,00	A1-a	GP-GM	4,80	26,01	1,12						
BH1	C1	6,00	7,00	45,50	36,90	9,50	9,10	20,90	15,20	5,70	A1-b	GM-GC	6,60	25,82	1,94						
BH2	C1	7,00	8,00	76,00	20,30	2,00	1,70	NOT PLASTIC			A1-a	GP	5,20	26,90							
BH3	C1	8,00	9,00	76,00	20,10	2,20	1,70	20,00	17,00	3,00	A1-a	GP	5,00	26,70							
BH5	C1	11,00	12,00	77,70	18,60	1,90	1,80	NOT PLASTIC			A1-a	GP	5,00	25,80							
BH6	C1	7,00	8,00	71,00	23,10	4,30	1,60	23,00	18,00	5,00	A1-a	GP-GM/GC	7,50	26,30							

SUMMARY TABLE

CLIENT: SEED CONSULTING SHPK
JOB: AUTO MOTO PARK -ELBASAN
LOCATION: ELBASAN
BOREHOLE:
Date Starting: 27/05/2024
Ending: 26/06/2024

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NIPIT: L81721025K



BOREHOLE	SAMPLE N°	DEPTH (m)		Grain size analysis				Atterberg Units				Soil classification				Moisture content	Bulk Density	Determination of particle density	Organic content	Proctor Modified		CBR
		from	to	G	S	M	C	LL	PL	PI	AASHTO	USCS	%	%	%					%	KN/m ³	
BH7	C1	11,00	12,00	64,00	34,10	1,20	0,70	NOT PLASTIC				A1-a	GW	4,20	26,60							
BH9	C1	8,00	9,00	83,60	13,30	2,10	1,00	NOT PLASTIC				A1-a	GP	8,10	26,30							
BH10	C1	13,00	14,00	72,90	21,10	4,00	2,00	NOT PLASTIC				A1-a	GP-GM	7,90	26,30							
BH12	C1	6,00	7,00	71,00	25,70	2,00	1,30	22,00	17,00	15,00	A1-a	GW	3,80	27,10								
BH14	C1	11,00	12,00	67,80	28,80	2,00	1,40	NOT PLASTIC				A1-a	GW	10,10	26,70							
BH15-1	C1	4,00	5,00	47,10	4,08	6,50	5,60	NOT PLASTIC				A1-a	GM	2,90	26,20							
BH15	C1	9,00	10,00	66,30	29,00	2,80	1,90	21,00	17,00	4,00	A1-a	GW	3,50	25,80								
BH18	C1	6,00	7,00	54,30	38,30	4,50	2,90	26,00	19,00	7,00	A2-4	GW-GM-GC	5,10	27,00								
BH20	C1	8,00	9,00	66,60	30,70	1,80	0,90	23,00	17,00	6,00	A1-a	GP	4,60	26,80								
BH22	C1	5,00	6,00	54,90	44,10	0,70	0,30	NOT PLASTIC				A1-a	GP	3,90	26,90							
BH23	C1	4,00	5,00	62,30	33,70	2,30	1,70	22,00	18,00	4,00	GP	GP	6,60	26,91								
TP1	C1	0,80	1,60	0,90	65,00	11,40	22,70	22,50	15,60	6,90	A2-4	SM-SC	6,40	26,10			11,40	17,86	36,30			
TP1/1	C1	1,60	3,00	67,50	27,50	3,10	1,90	NOT PLASTIC				A1-a	GP-GM	4,80	26,11							
TP2/1	C1	2,40	3,50	75,70	19,50	3,00	1,80	NOT PLASTIC				A1-a	GP	4,20	26,40							
TP4	C1	2,00	3,00	77,60	20,70	1,10	0,60	NOT PLASTIC				A1-a	GW	1,90	26,10							
TP5	C1	1,50	3,00	75,10	18,00	4,20	2,70	NOT PLASTIC				A1-a	GP-GM	1,70	26,12							

SUMMARY TABLE																				
CLIENT:		SEED CONSULTING SHPK																		
JOB:		AUTO MOTO PARK -ELBASAN																		
LOCATION:		ELBASAN																		
BOREHOLE:																				
Date		Starting: 27/05/2024																		
		Ending: 26/06/2024																		
BOREHOLE	SAMPLE N°	DEPTH (m)		Grain size analysis				Atterberg Limits			Soil classification		Moisture content	Bulk Density	Determination of particle density	Organic content	Proctor Modified		CBR	
		from	to	G	S	M	C	LL	PL	PI	AASHTO	USCS					%	kN/m ³		kN/m ³
				%				%						%	kN/m ³	kN/m ³	%	%	kN/m3	%
BH1	C2	11,00	12,00	45,50	36,90	10,10	7,50	22,60	16,70	5,90	A1-b	GM-GC	6,40		26,05					
BH4	C1	8,00	9,00	64,20	27,90	4,60	3,30	18,80	14,50	4,30	A1-a	GP-GM	5,10		25,71	1,20				
BH8	C1	7,00	8,00	35,60	43,60	11,00	9,50	21,30	16,40	4,90	A1-b	SM-SC	2,80		25,59	2,08				
BH8	C2	12,00	13,00	62,10	29,20	4,60	4,10	18,20	13,60	4,60	A1-a	GP-GM/GC	5,20		26,08					
BH11	C1	5,00	6,00	61,50	28,80	5,20	4,50	19,90	14,70	5,20	A1-a	GP-GM/GC	17,30		27,05	1,28				
BH13	C1	12,50	13,50	58,90	29,70	5,70	4,80	20,00	14,20	5,80	A1-a	GP-GM/GC	8,70		26,62					
BH16	C1	9,00	10,00	56,70	36,00	4,40	2,90	20,00	14,30	5,80	A1-a	GP-GM/GC	5,10		27,07					
BH19	C1	6,00	7,00	64,10	28,00	4,50	3,40	NOT PLASTIC			A1-a	GP-GM	5,00		25,97					
BH21	C21	6,00	7,00	58,08	31,50	5,00	4,70	16,90	13,90	3,00	A1-a	GP-GM	4,80		26,01	1,12				
BH1	C1	6,00	7,00	45,50	36,90	9,50	9,10	20,90	15,20	5,70	A1-b	GM-GC	6,60		25,82	1,94				
BH2	C1	7,00	8,00	76,00	20,30	2,00	1,70	NOT PLASTIC			A1-a	GP	5,20		26,90					
BH3	C1	8,00	9,00	76,00	20,10	2,20	1,70	20,00	17,00	3,00	A1-a	GP	5,00		26,70					
BH5	C1	11,00	12,00	77,70	18,60	1,90	1,80	NOT PLASTIC			A1-a	GP	5,00		25,80					
BH6	C1	7,00	8,00	71,00	23,10	4,30	1,60	23,00	18,00	5,00	A1-a	GP-GM/GC	7,50		26,30					



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 NIPT: L21721022K

SUMMARY TABLE																							
CLIENT:		SEED CONSULTING SHPK																					
JOB:		AUTO MOTO PARK -ELBASAN																					
LOCATION:		ELBASAN																					
BOREHOLE:																							
Date		Starting: 27/05/2024																					
		Ending: 26/06/2024																					
BOREHOLE	SAMPLE N°	DEPTH (m)		Grain size analysis				Atterberg Limits			Soil classification		Moisture content	Bulk Density	Determination of particle density	Organic content	Proctor Modified		CBR				
		from	to	G	S	M	C	LL	PL	PI	AASHTO	USCS					%	kn/m ³		kn/m ³	%	kn/m ³	%
		%				%																	
BH7	C1	11,00	12,00	64,00	34,10	1,20	0,70	NOT PLASTIC			A1-a	GW	4,20		26,60								
BH9	C1	8,00	9,00	83,60	13,30	2,10	1,00	NOT PLASTIC			A1-a	GP	8,10		26,30								
BH10	C1	13,00	14,00	72,90	21,10	4,00	2,00	NOT PLASTIC			A1-a	GP-GM	7,90		26,30								
BH12	C1	6,00	7,00	71,00	25,70	2,00	1,30	22,00	17,00	15,00	A1-a	GW	3,80		27,10								
BH14	C1	11,00	12,00	67,80	28,80	2,00	1,40	NOT PLASTIC			A1-a	GW	10,10		26,70								
BH15-1	C1	4,00	5,00	47,10	4,08	6,50	5,60	NOT PLASTIC			A1-a	GM	2,90		26,20								
BH15	C1	9,00	10,00	66,30	29,00	2,80	1,90	21,00	17,00	4,00	A1-a	GW	3,50		25,80								
BH18	C1	6,00	7,00	54,30	38,30	4,50	2,90	26,00	19,00	7,00	A2-4	GW-GM-GC	5,10		27,00								
BH20	C1	8,00	9,00	66,60	30,70	1,80	0,90	23,00	17,00	6,00	A1-a	GP	4,60		26,80								
BH22	C1	5,00	6,00	54,90	44,10	0,70	0,30	NOT PLASTIC			A1-a	GP	3,90		26,90								
BH23	C1	4,00	5,00	62,30	33,70	2,30	1,70	22,00	18,00	4,00		GP	6,60		26,91								
TP1	C1	0,80	1,60	0,90	65,00	11,40	22,70	22,50	15,60	6,90	A2-4	SM-SC	6,40		26,10		11,40	17,86	36,30				
TP1/1	C1	1,60	3,00	67,50	27,50	3,10	1,90	NOT PLASTIC			A1-a	GP-GM	4,80		26,11								
TP2/1	C1	2,40	3,50	75,70	19,50	3,00	1,80	NOT PLASTIC			A1-a	GP	4,20		26,40								
TP4	C1	2,00	3,00	77,60	20,70	1,10	0,60	NOT PLASTIC			A1-a	GW	1,90		26,10								
TP5	C1	1,50	3,00	75,10	18,00	4,20	2,70	NOT PLASTIC			A1-a	GP-GM	1,70		26,12								



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LABORATORI I DEPARTAMENTIT TË MJEDISIT EKOLOGJISE



LT 109 08.09.21

Lëshuar nga: Përgjegjës Laboratori

Dr. Eridana Çuni

Miratuar nga: Përgjegjës Departamenti

Prof. Dr. Seit SHALLARI

LAME-UBT

Adresa: Rruga "Paisi Vodica", Kodër-Kamëz, Tiranë, Kodi Postal: 1029 www.ubt.edu.al

Klienti:	GEOTEST Sh.p.k
Adresa e Klientit:	Geotechnical &Material Laboratory and Consulting
Vendi i mostrimit:	Autostrada Tiranë-Durrës km 2, Mëzez, Tiranë.
Data e mostrimit	Projekti 'AUTO MOTO PARK -Elbasan
Personi që ka marrë mostrën:	03.06.2024
Emërtimi i mostrës:	Klienti
	Bh-4 C₁,UJë.
Datë e mbërritjes në laborator	12.06.2024
Datë e Analizës	13.06.2024

Nr. Raport Provë: 188

Tiranë, më 05.07.2024

Nr	Parametrat	Simboli	Metoda analitike	Njësia	Rezultati
1	*pH uJOR	pH	ISO 10523:2008 R 2023-Water quality	pH unit	8.3
2	Carbon dioxide	CO ₂	SMEWW ,4500-CO ₂ -C Water quality	mg/L	70
3	Magnesium	Mg ²⁺	ISO 7980:1986 /R 2021-Water quality	mg/L	27.95
4	Sulfates	SO ₄ ²⁻	SMEWW, 4500 E Turbidimetric Method	mg/L	97.13
5	*Ammonium-Nitrogen	N-NH ₄	ISO 7150-1:1984 /R 2023 -Water quality	mg/L	0.57

Ky raport i takon vetëm mostrës që i nënshtrohet provës.

** Parametër i akredituar sipas Standardit ISO 17025-2017*

ANALIZOI

Chemist. Enkeleida SALLAKU

DEKAN

Prof. Dr. Ilir KRISTO



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Adresa e Klientit:	Autostrada Tiranë-Durrës km 2, Mëzez, Tiranë
Vendi i mostrimit:	Projekti 'AUTO MOTO PARK' -Elbasan
Data e mostrimit	03.06.2024
Personi që ka marrë mostrën:	Klienti
Emërtimi i mostrës:	Bh-15- C₁,UJë.

Datë e mbërritjes në laborator	12.06.2024
Datë e Analizës	12.06.2024

Nr. Raport Provë: 189

Tiranë, më 05.07.2024

Nr	Parametrat	Simboli	Metoda analitike	Njësia	Rezultati
1	*pH ujqor	pH	ISO 10523:2008 R 2023-Water quality	pH unit	8.33
2	Carbon dioxide	CO ₂	SMEWW ,4500-CO ₂ -C Water quality	mg/L	160
3	Magnesium	Mg ²⁺	ISO 7980:1986 /R 2021-Water quality	mg/L	24.30
4	Sulfates	SO ₄ ²⁻	SMEWW, 4500 E Turbidimetric Method	mg/L	71.52
5	*Ammonium-Nitrogen	N-NH ₄	ISO 7150-1:1984 /R 2023 -Water quality	mg/L	0.04

Ky raport i takon vetëm mostrës që i nënshtrohet provës.

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Vendi i mostrimit:	Projekti 'AUTO MOTO PARK' -Elbasan
Data e mostrimit	03.06.2024
Personi që ka marrë mostrën:	Klienti
Emërtimi i mostrës:	Bh-17-C ₁ ,UJë.

Datë e mbërritjes në laborator	12.06.2024
Datë e Analizës	12.06.2024

Nr. Raport Provë: 190

Tiranë, më 05.07.2024

Nr	Parametrat	Simboli	Metoda analitike	Njësia	Rezultati
1	*pH ujour	pH	ISO 10523:2008 R 2023-Water quality	pH unit	8.33
2	Carbon dioxide	CO ₂	SMEWW ,4500-CO ₂ -C Water quality	mg/L	95
3	Magnesium	Mg ²⁺	ISO 7980:1986 /R 2021-Water quality	mg/L	23.09
4	Sulfates	SO ₄ ²⁻	SMEWW, 4500 E Turbidimetric Method	mg/L	61.77
5	*Ammonium-Nitrogen	N-NH ₄	ISO 7150-1:1984 /R 2023 -Water quality	mg/L	0.03

Ky raport i takon vetëm mostrës që i nënshtrohet provës.

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Chemist. Enkeleida SALLAKU

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LT 109 08.09.21

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Klienti:	GEOTEST Sh.p.k Geotechnical & Material Laboratory and Consulting
Adresa e Klientit:	Autostrada Tiranë-Durrës km 2, Mëzez, Tiranë
Vendi i mostrimit:	Projekti 'AUTO MOTO PARK' -Elbasan
Data e mostrimit	11.06.2024
Personi që ka marrë mostrën:	Klienti
Emërtimi i mostrës:	C ₁ , UJë.

Datë e mbërritjes në laborator	12.06.2024
Datë e Analizës	12.06.2024

Nr. Raport Provë: 191

Tiranë, më 05.07.2024

Nr	Parametrat	Simboli	Metoda analitike	Njësia	Rezultati
1	*pH ujqor	pH	ISO 10523:2008 R 2023-Water quality	pH unit	7.38
2	Carbon dioxide	CO ₂	SMEWW ,4500-CO ₂ -C Water quality	mg/L	220
3	Magnesium	Mg ²⁺	ISO 7980:1986 /R 2021-Water quality	mg/L	36.45
4	Sulfates	SO ₄ ²⁻	SMEWW, 4500 E Turbidimetric Method	mg/L	77.62
5	*Ammonium-Nitrogen	N-NH ₄	ISO 7150-1:1984 /R 2023 -Water quality	mg/L	0.14

Ky raport i takon vetëm mostrës që i nënshtrohet provës.

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Customer:	GEOTEST Sh.p.k
Customer Address:	Geotechnical & Material Laboratory and Consulting
Sample Location:	Tirana-Durrës Highway km 2, Mëzez, Tirana.
Sampling date:	"AUTO MOTO PARK - Elbasan" Project
Sample is selected by :	03.06.2024
Code /Type Sample:	Client
	Bh-4 C ₁ , Water.

Date of samples arrival in Lab: 12.06.2024

Date of Analysis: 12.06.2024

Test Report: No.188

Tirana, on 05.07.2024

No	Parameter	Symbol	Analytical Method	Unit	Results
1	*pH uhor	pH	ISO 10523:2008 R 2023-Water quality	pH unit	8.3
2	Carbon dioxide	CO ₂	SMEWW, 4500-CO ₂ -C Water quality	mg/L	70
3	Magnesium	Mg ²⁺	ISO 7980:1986 /R 2021-Water quality	mg/L	27.95
4	Sulfates	SO ₄ ²⁻	SMEWW, 4500 E Turbidimetric Method	mg/L	97.13
5	*Ammonium-Nitrogen	N-NH ₄	ISO 7150-1:1984 /R 2023 -Water quality	mg/L	0.57

This report applies only to the sample under test.

** Parameter accredited according to the ISO 17025-2017 Standard*

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Chemist. Enkeleida SALLAKU

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Prof. Dr. Ilir KRISTO

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Customer:	GEOTEST Sh.p.k
Customer Address:	Geotechnical & Material Laboratory and Consulting
Sample Location:	Tirana-Durrës Highway km 2, Mëzez, Tirana.
Sampling date:	"AUTO MOTO PARK - Elbasan" Project
Sample is selected by :	03.06.2024
Code /Type Sample:	Client
	Bh-15 C₁, Water.

Date of samples arrival in Lab: 12.06.2024

Date of Analysis: 12.06.2024

Test Report: No.189

Tirana, on 05.07.2024

No	Parameter	Symbol	Analytical Method	Unit	Results
1	*pH uhor	pH	ISO 10523:2008 R 2023-Water quality	pH unit	8.33
2	Carbon dioxide	CO ₂	SMEWW ,4500-CO ₂ -C Water quality	mg/L	160
3	Magnesium	Mg ²⁺	ISO 7980:1986 /R 2021-Water quality	mg/L	24.30
4	Sulfates	SO ₄ ²⁻	SMEWW, 4500 E Turbidimetric Method	mg/L	71.52
5	*Ammonium-Nitrogen	N-NH ₄	ISO 7150-1:1984 /R 2023 -Water quality	mg/L	0.04

This report applies only to the sample under test.

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Customer: GEOTEST Sh.p.k
Geotechnical & Material Laboratory and Consulting
Customer Address: Tirana-Durrës Highway km 2, Mëzez, Tirana.
Sample Location: "AUTO MOTO PARK - Elbasan" Project
Sampling date: 03.06.2024
Sample is selected by : Client
Code /Type Sample: Bh-17 C₁, Water.

Date of samples arrival in Lab: 12.06.2024

Date of Analysis: 12.06.2024

Test Report: No.190

Tirana, on 05.07.2024

No	Parameter	Symbol	Analytical Method	Unit	Results
1	*pH uhor	pH	ISO 10523:2008 R 2023-Water quality	pH unit	8.33
2	Carbon dioxide	CO ₂	SMEWW ,4500-CO ₂ -C Water quality	mg/L	95
3	Magnesium	Mg ²⁺	ISO 7980:1986 /R 2021-Water quality	mg/L	23.09
4	Sulfates	SO ₄ ²⁻	SMEWW, 4500 E Turbidimetric Method	mg/L	61.77
5	*Ammonium-Nitrogen	N-NH ₄	ISO 7150-1:1984 /R 2023 -Water quality	mg/L	0.03

This report applies only to the sample under test.

** Parameter accredited according to the ISO 17025-2017 Standard*

ANALYSED

Chemist. Enkeleida SALLAKU

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Customer: GEOTEST Sh.p.k
Geotechnical & Material Laboratory and Consulting

Customer Address: Tirana-Durrës Highway km 2, Mëzez, Tirana.

Sample Location: "AUTO MOTO PARK - Elbasan" Project

Sampling date: 11.06.2024

Sample is selected by: Client

Code /Type Sample: C1, Water.

Date of samples arrival in Lab: 12.06.2024

Date of Analysis: 12.06.2024

Test Report: No.191

Tirana, on 05.07.2024

No	Parameter	Symbol	Analytical Method	Unit	Results
1	*pH uhor	pH	ISO 10523:2008 R 2023-Water quality	pH unit	7.38
2	Carbon dioxide	CO ₂	SMEWW, 4500-CO ₂ -C Water quality	mg/L	220
3	Magnesium	Mg ²⁺	ISO 7980:1986 /R 2021-Water quality	mg/L	36.45
4	Sulfates	SO ₄ ²⁻	SMEWW, 4500 E Turbidimetric Method	mg/L	77.62
5	*Ammonium-Nitrogen	N-NH ₄	ISO 7150-1:1984 /R 2023 -Water quality	mg/L	0.14

This report applies only to the sample under test.

** Parameter accredited according to the ISO 17025-2017 Standard*

ANALYSED

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LT 109 08.09.21

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Dr. Eridana Çuni

Miratuar nga: Përgjegjës Departamenti

Prof. Dr. Seit SHALLARI

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Klienti:	GEOTEST Sh.p.k
Adresa e Klientit:	Geotechnical & Material Laboratory and Consulting
Vendi i mostrimit:	Autostrada Tiranë-Durrës km 2, Mëzez, Tiranë
Data e mostrimit	Projekti 'AUTO MOTO PARK' -Elbasan
Personi që ka marrë mostrën:	23.05.2024
Emërtimi i mostrës:	Klienti
	Bh-1 C₁ (6.00 -7.00 m),Tokë.
Datë e mbërritjes në laborator	12.06.2024
Datë e Analizës	24.06.2024

Nr. Raport Provë: 192

Tiranë, më 05.07.2024

Nr	Parametrat	Simboli	Metoda analitike	Njësia	Rezultati
1	Sulfate	(SO ₄ ²⁻)	California Test 417-1999 SMEWW, 4500 E Turbidimetric Method	mg/kg	297.81

Ky raport i takon vetëm mostrës që i nënshtrohet provës.

ANALIZOI

Chemist . Enkeleida SALLAKU

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Vendi i mostrimit:	Autostrada Tiranë-Durrës km 2, Mëzez, Tiranë
Data e mostrimit	Projekti 'AUTO MOTO PARK' -Elbasan
Personi që ka marrë mostrën:	23.05.2024
Emërtimi i mostrës:	Klienti
	Bh-4 C₁ (8.00 -9.00 m),Tokë.
Datë e mbërritjes në laborator	12.06.2024
Datë e Analizës	24.06.2024

Nr. Raport Provë: 193

Tiranë, më 05.07.2023

Nr	Parametrat	Simboli	Metoda analitike	Njësia	Rezultati
1	Sulfate	(SO ₄ ²⁻)	California Test 417-1999 SMEWW, 4500 E Turbidimetric Method	mg/kg	222.81

Ky raport i takon vetëm mostrës që i nënshtrohet provës.

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Adresa e Klientit:	Geotechnical & Material Laboratory and Consulting
Vendi i mostrimit:	Autostrada Tiranë-Durrës km 2, Mëzez, Tiranë
Data e mostrimit:	Projekti 'AUTO MOTO PARK' -Elbasan
Personi që ka marrë mostrën:	23.05.2024
Emërtimi i mostrës:	Klienti
	Bh-11 C ₁ (5.00 -6.00 m),Tokë.
Datë e mbërritjes në laborator	12.06.2024
Datë e Analizës	24.06.2024

Nr. Raport Provë: 194

Tiranë, më 05.07.2023

Nr	Parametrat	Simboli	Metoda analitike	Njësia	Rezultati
1	Sulfate	(SO ₄ ²⁻)	California Test 417-1999 SMEWW, 4500 E Turbidimetric Method	mg/kg	220.71

Ky raport i takon vetëm mostrës që i nënshtrohet provës.

ANALIZOI

Chemist . Enkeleida SALLAKU

DEKAN

Prof. Dr. Ilir KRISTO



UNIVERSITETI BUJQESOR TIRANË
FAKULTETI I BUJQËSISË DHE MJEDISIT
LABORATORI I DEPARTAMENTIT TË MJEDISIT EKOLOGJISE



LT 109 08.09.21

Lëshuar nga: Përgjegjës Laboratori

Dr. Eridana Çuni

Miratuar nga: Përgjegjës Departamenti

Prof. Dr. Seit SHALLARI

LAME-UBT

Adresa: Rruga "Paisi Vodica", Kodër-Kamëz, Tiranë, Kodi Postal: 1029 www.ubt.edu.al

Klienti:	GEOTEST Sh.p.k
Adresa e Klientit:	Geotechnical & Material Laboratory and Consulting
Vendi i mostrimit:	Autostrada Tiranë-Durrës km 2, Mëzez, Tiranë
Data e mostrimit	Projekti 'AUTO MOTO PARK' -Elbasan
Personi që ka marrë mostrën:	23.05.2024
Emërtimi i mostrës:	Klienti
	Bh-21 C ₁ (6.00 -7.00 m),Tokë.
Datë e mbërritjes në laborator	12.06.2024
Datë e Analizës	24.06.2024

Nr. Raport Provë: 195

Tiranë, më 05.07.2023

Nr	Parametrat	Simboli	Metoda analitike	Njësia	Rezultati
1	Sulfate	(SO ₄ ²⁻)	California Test 417-1999 SMEWW, 4500 E Turbidimetric Method	mg/kg	232.20

Ky raport i takon vetëm mostrës që i nënshtrohet provës.

ANALIZOI

Chemist . Enkeleida SALLAKU

DEKAN

Prof. Dr. Ilir KRISTO



AGRICULTURAL UNIVERSITY OF TIRANA
ENVIRONMENTAL AND AGRICULTURAL FACULTY
LABORATORY OF ECOLOGY AND AGRI – ENVIRONMENTAL DEPARTMENT

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Issued by: Laboratory Responsible

Dr. Eridana Çuni

Approved by: Department Responsible

Prof. Dr. Seit SHALLARI

LAME-UBT

Adresa: Street "Paisi Vodica", Kodër-Kamëz, Tiranë, ZIP code: 1029 www.ubt.edu.al

Customer:	GEOTEST Sh.p.k
Customer Address:	Geotechnical & Material Laboratory and Consulting
Sample Location:	Tirana-Durrës Highway km 2, Mëzez, Tirana.
Sampling date:	"AUTO MOTO PARK - Elbasan" Project
Sample is selected by:	23.05.2024
Code /Type Sample:	Client
	Bh-1 C ₁ (6.00 -7.00 m),Soil
Date of samples arrival in Lab:	12.06.2024
Date of Analysis:	24.06.2024

Test Report: No.192

Tirana, on 05.07.2024

No	Parameter	Symbol	Analytical Method	Unit	Results
1	Sulfates	SO ₄ ²⁻	California Test 417-1999 SMEWW, 4500 E Turbidimetric Method	mg/L	297.81.60

This report applies only to the sample under test.

ANALYSED

Chemist. Enkeleida SALLAKU

DEAN

Prof. Dr. Ilir KRISTO

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END OF TEST REPORT

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Customer:	GEOTEST Sh.p.k
Customer Address:	Geotechnical & Material Laboratory and Consulting
Sample Location:	Tirana-Durrës Highway km 2, Mëzez, Tirana.
Sampling date:	"AUTO MOTO PARK - Elbasan" Project
Sample is selected by:	23.05.2024
Code /Type Sample:	Client
	Bh-4 C₁ (8.00 -9.00 m),Soil

Date of samples arrival in Lab:	12.06.2024
Date of Analysis:	24.06.2024

Test Report: No.193

Tirana, on 05.07.2024

No	Parameter	Symbol	Analytical Method	Unit	Results
1	Sulfates	SO ₄ ²⁻	California Test 417-1999 SMEWW, 4500 E Turbidimetric Method	mg/L	222.81

This report applies only to the sample under test.

ANALYSED

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Customer:	GEOTEST Sh.p.k
Customer Address:	Geotechnical & Material Laboratory and Consulting
Sample Location:	Tirana-Durrës Highway km 2, Mëzez, Tirana.
Sampling date:	"AUTO MOTO PARK - Elbasan" Project
Sample is selected by:	23.05.2024
Code /Type Sample:	Client
	Bh-11 C₁ (5.00 -6.00 m),Soil
Date of samples arrival in Lab: 12.06.2024	
Date of Analysis: 24.06.2024	

Test Report: No.194

Tirana, on 05.07.2024

No	Parameter	Symbol	Analytical Method	Unit	Results
1	Sulfates	SO ₄ ²⁻	California Test 417-1999 SMEWW, 4500 E Turbidimetric Method	mg/L	220.71

This report applies only to the sample under test.

ANALYSED

Chemist. Enkeleida SALLAKU

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Customer:	GEOTEST Sh.p.k
Customer Address:	Geotechnical & Material Laboratory and Consulting
Sample Location:	Tirana-Durrës Highway km 2, Mëzez, Tirana.
Sampling date:	"AUTO MOTO PARK - Elbasan" Project
Sample is selected by:	23.05.2024
Code /Type Sample:	Client
	Bh-21 C ₁ (6.00 -7.00 m),Soil

Date of samples arrival in Lab:	12.06.2024
Date of Analysis:	24.06.2024

Test Report: No.195

Tirana, on 05.07.2024

No	Parameter	Symbol	Analytical Method	Unit	Results
1	Sulfates	SO ₄ ²⁻	California Test 417-1999 SMEWW, 4500 E Turbidimetric Method	mg/L	232.20

This report applies only to the sample under test.

ANALYSED

Chemist. Enkeleida SALLAKU

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