

Test report  
Archive code

Latina, 18/03/2024  
Client code

## SOIL TEST REPORT

### CUSTOMER INFORMATION

*Customer*  
*Address*  
*Postal Code*  
*Location*  
*Province*

### PICK-UP IDENTIFICATION PROVIDED BY THE PICKER

*Identification*  
*Crop*  
*Ecological area*  
*Soil type*

### SAMPLING INFORMATION PROVIDED BY THE SAMPLER

*Sampler* Cliente  
*Sampling date* 11/03/2024

### RECEPTION INFORMATION

*Arrival date* 14/03/2024

### ANALYTICAL TEST

*Analysis start date* 14/03/2024  
*Analysis end date* 18/03/2024

Il Chimico Analista  
Dott. Lorenzo Sbaraglia

  


Il Direttore del Laboratorio  
Dott. Mauro Sbaraglia

  


#### NOTE

- This test report refers to the sample delivered to the laboratory
- this test report may not be reproduced, even partially, without the written approval of the Laboratory
- Records are available to the customer at the Laboratory for 4 years, test reports for 10 years
- the sample is stored in the laboratory for at least 15 days after the test report has been issued
- the sampling is not credited by ACCREDIA
- This test report contains an attachment
- The sampling data is provided by the picker. The Laboratory is not responsible for sampling if performed by a third party. In this case, the results refer to the sample as received.



LAB N° 1739 L

Test report:

Latina, 18/03/2024

**PARAMETER**

PARAMETER		U.M.	VALUES		U (+/-)	Loq	M.P.
Gravel			sensitive	*			Metodo interno
Sand (2.0-0.020 mm)		%	54				DM 13/09/1999 SO n185 GU n248 21/10/1999 Met II.6
Silt (0.020-0.002 mm)		%	16				DM 13/09/1999 SO n185 GU n248 21/10/1999 Met II.6
Clay (<0.002 mm)		%	30				DM 13/09/1999 SO n185 GU n248 21/10/1999 Met II.6
TEXTURE			FAS	*			Calcolo
Reaction (1:2.5)		pH	8,3				DM 13/09/1999 SO n185 GU n248 21/10/1999 Met III.1
El. Conduct. (1:2.0)		mS/cm	0,451	*			DM 13/09/1999 SO n185 GU n248 21/10/1999 Met IV.1
Total Carbonate		%	7,8				DM 13/09/1999 SO n185 GU n248 21/10/1999 Met V.1
Active calcium carbonate		%	2,3				DM 13/09/1999 SO n185 GU n248 21/10/1999 Met V.2
Organic matter		%	1,47				DM 13/09/1999 SO n185 GU n248 21/10/1999 Met VII.3
Total Nitrogen	(N)	%	0,093	*			DM 13/09/1999 SO n185 GU n248 21/10/1999 Met XIV.3
Avail. Phosphorus	(P)	ppm	50				DM 13/09/1999 SO n185 GU n248 21/10/1999 Met XV.3
IRON ass.	(Fe)	ppm	15,6	*			DM 13/09/1999 SO n185 GU n248 21/10/1999 Met XII.1
MANGANESE ass.	(Mn)	ppm	9,2	*			DM 13/09/1999 SO n185 GU n248 21/10/1999 Met XII.1
COPPER ass.	(Cu)	ppm	2,4				DM 13/09/1999 SO n185 GU n248 21/10/1999 Met XII.1+UNI EN ISO 11885:2009
ZINC ass.	(Zn)	ppm	1,8				DM 13/09/1999 SO n185 GU n248 21/10/1999 Met XII.1+UNI EN ISO 11885:2009
BORO sol.	(B)	ppm	0,46	*			DM 13/09/1999 SO n185 GU n248 21/10/1999 Met XVI.2
Exch. Calcium	(Ca)	ppm	3700	*			Metodo interno
Exch. Magnesium	(Mg)	ppm	360				MP-01 R.O 2019
Exch. Potassium	(K)	ppm	340				MP-01 R.O 2019
Exch. Sodium	(Na)	ppm	41				MP-01 R.O 2019
C.E.C. per 100 g		meq	22,55	*			Metodo interno
CALCIUM		%	82,0	*			Calcolo
MAGNESIUM		%	13,3	*			Calcolo
POTASSIUM		%	3,9	*			Calcolo
SODIUM		%	0,8	*			Calcolo
SATURATION BASIC		%	100,0	*			Calcolo
C/N Ratio			9,17	*			Calcolo

**Note**

- U.M. = Unit of Measurement  
 U = Extended Uncertainty (95% Confidence Interval; k=2)  
 M.P. = Test Method  
 \* = Non-accredited test  
 Loq = Limit of Quantification  
 Cond. elet. = Electrical conductivity  
 ass. = Assimilable  
 Scam. = Exchangeable  
 C.S.C. = Cation Exchange Capacity



LAB N° 1739 L

OPINIONS AND INTERPRETATIONS NOT SUBJECT TO ACCREDITATION BY ACCREDIA

Latina, 18/03/2024

<b>Attached to RdP n.</b> 2402032	<b>Farmer</b>	<b>Sample Id.</b>
<b>Soil report</b> ARC00304	<b>Address</b>	<b>Sampling</b>
	<b>C.A.P.</b>	<b>Crop</b>
	<b>Locality</b>	<b>Area</b>
	<b>Province</b>	<b>Soil</b>

### PHYSICAL CHEMICAL PROPERTIES

Parameter	Value	Evaluation	Parameter	Value	Evaluation
Gravel	SEN	<i>sensitive</i>	Reaction (1:2.5)	pH 8,3	<i>med. alkaline</i>
Sand (2.0-0.02 %)	54		El. Conduct. (1:2.0) mS/cm	0,451	<i>normal</i>
Silt (0.020-0 %)	16		Total Carbonate	% 7,8	<i>leg. calcareous</i>
Clay (<0.002 %)	30		Active calcium carb	% 2,3	<i>medium</i>
TEXTURE	FAS	<i>loam clay sandy</i>	Organic matter	% 1,47	<i>low</i>

### NUTRIENTS STATUS

Parameter	Value	Evaluation	Parameter	Value	Evaluation
Total Nitrogen (N)	% 0,093	<i>Low</i>	BORO sol. (B)	ppm 0,46	<i>Low</i>
Avail. Phosphorus (P)	ppm 50	<i>v. high</i>	Exch. Calcium (Ca)	ppm 3700	<i>v. high</i>
IRON ass. (Fe)	ppm 15,6	<i>medium</i>	Exch. Magnesium (Mg)	ppm 360	<i>v. high</i>
MANGANESE ass. (Mn)	ppm 9,2	<i>medium</i>	Exch. Potassium (K)	ppm 340	<i>v. high</i>
COPPER ass. (Cu)	ppm 2,4	<i>medium</i>	Exch. Sodium (Na)	ppm 41	<i>normal</i>
ZINC ass. (Zn)	ppm 1,8	<i>medium</i>			

### CATION EXCHANGE CAPACITY

Parameter	Value x100gr	Saturation %	Evaluation
C.E.C.	meq 22,55		<i>high</i>
CALCIUM	meq 18,50	82,0	<i>high</i>
MAGNESIUM	meq 3,00	13,3	<i>high</i>
POTASSIUM	meq 0,87	3,9	<i>average</i>
SODIUM	meq 0,18	0,8	<i>normal</i>
SATURATION BASIC Mg/K	3,45	100,0	<i>high</i>
			<i>medium</i>



**Analista**  
Dott. Lorenzo Sbaraglia



**Laboratory Director**  
Dott. Mauro Sbaraglia

OPINIONS AND INTERPRETATIONS NOT SUBJECT TO ACCREDITATION BY ACCREDIA

Latina, 18/03/2024

<i>Note to the report</i> <b>2402032</b>	<b>Farmer</b> : PEDONLAB	<b>Sample Id.</b> : new orchard of actinidia
	<b>Daddress</b> :	<b>Sampling</b> : 11/03/2024
	<b>C.A.P.</b> : 02600	<b>Crop</b> : Impianto actinidia
<i>Soil test report</i> <b>ARC00304</b>	<b>Locality</b> : BELGIO	<b>Area</b> : Non specificata
	<b>Province</b> : ESTERO	<b>Soil</b> : Non specificato

### AGRONOMICAL REPORT

<b>TEXTURE</b>	The soil has a sandy clay loam texture with a significant presence of skeleton; the hydrogeological characteristics deducible from the texture (moderate permeability and good water retention capacity), are significantly high
<b>Reaction</b>	The soil has a medium alkaline pH reaction, unsatisfactory for the culture.
<b>COND. elettrica</b>	The soil salinity level is normal.
<b>Total Carbonate</b>	The soil is slightly calcareous.
<b>Active calcium</b>	The level of active limestone is medium; the choice of the rootstock is a limiting element, which must be done in a critical way.
<b>Organic matter</b>	The organic fraction of the soil is low; the microbial activity, the physical-structural characteristics and the chemical fertility are negatively affected. The contribution of organic matter is recommended.
<b>Total Nitrogen</b>	Total nitrogen is low; its contribution to the nitrogenous nutrition of the crop is modest.
<b>Avail.</b>	The level of phosphorus is very high; the response to the element is highly unlikely. Phosphorus is not needed.
<b>IRON</b>	The assimilable iron level is normal.
<b>MANGANESE</b>	The level of assimilable manganese is normal.

OPINIONS AND INTERPRETATIONS NOT SUBJECT TO ACCREDITATION BY ACCREDIA

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	<b>Province</b> : ESTERO	<b>Soil</b> : Non specificato

**COPPER**

The assimilable copper level is normal.

**ZINC**

The level of assimilable zinc is normal.

**BORO**

Assimilable boron level is low; element response may be probable. Boron intake is recommended.

**Exch.**

The calcium level is high both in absolute value and in relation to the CSC. The response to the element is not probable.

**Exch.**

The level of magnesium is high both in absolute value and in relation to the CSC; the response to the item is not probable. Magnesium is not needed.

**Exch.**

The potassium level is very high in absolute value but appears to be average in relation to the CSC; the response to the element is highly unlikely. Potassium is not needed.

**Exch.**

The sodium level is normal both in absolute value and in relation to the CSC. Negative effects on the culture are completely unlikely.

**C.E.C.**

The cation exchange capacity is high; the amount of nutrients retained in cationic form is high.