



ANALYTICAL REPORT

Report Number	74980-21	L194	RACHAEL TANNER	Client HAYLEY JONES
Date Received	03-NOV-2021		SOIL SCIENTIST	
Date Reported	11-NOV-2021		THE ROYAL HORTICULTURAL	
Project	SOIL MINERAL NITROGEN		SOCIETY	
Reference	HAYLEY JONES		WISLEY	
Order Number	1043179		WOKING SURREY GU23 6QB	

Laboratory Reference		MINN146132	MINN146133	MINN146134	MINN146135						
Sample Reference		WISLEY TURF	WISLEY BED	H CARR BED	H CARR TURF						
Determinand	Unit	SOIL	SOIL	SOIL	SOIL						
pH water [1:2.5]		7.0	7.2	7.1	7.0						
Available Phosphorus (Index)	mg/l	32.0 (3)	62.0 (4)	44.6 (3)	20.6 (2)						
Available Potassium (Index)	mg/l	121 (2-)	144 (2-)	58.0 (0)	46.8 (0)						
Available Magnesium (Index)	mg/l	46.5 (1)	95.4 (2)	162 (3)	154 (3)						
Sand 2.00-0.05mm	% w/w	86	71	52	56						
Silt 0.002 - 0.05mm	% w/w	7	13	24	23						
Clay <0.002mm	% w/w	7	16	24	21						
Nitrate Nitrogen (Fresh)	mg/kg	2.32	22.2	5.02	1.65						
Ammonium Nitrogen (Fresh)	mg/kg	0.92	1.01	3.23	5.27						
Dry Matter (Fresh)	%	88.0	66.3	76.6	73.3						
Available Copper EDTA	mg/l	5.4	20.5	10.8	11.3						
Available Zinc EDTA	mg/l	17.4	111	30.4	10.5						
Available Sodium	mg/l	17.0	18.0	24.5	17.5						
Available Calcium	mg/l	1035	1770	2035	1495						
Available Sulphate	mg/l	13.5	18.8	31.9	27.6						
Organic Matter LOI	% w/w	5.0	12.9	13.6	10.0						
Hot Water Soluble Boron	mg/l	0.6	2.3	1.1	0.7						
Available Manganese	mg/l	1.7	2.9	5.5	4.6						
Available Iron	mg/l	102	77.7	193	151						
Cation Exchange Capacity	meq/100g	7.9	26.4	21.3	14.0						
Textural Class **		S	SL	SCL	SCL						

Notes

Analysis Notes The sample submitted was of adequate size to complete all analysis requested.
 The results as reported relate only to the item(s) submitted for testing.
 The results are presented on a dry matter basis unless otherwise stipulated.



ANALYTICAL NOTES

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Notes

Reported by

** Please see the attached document for the definition of textural classes.

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USDA Textural Class Abbreviations

The texture classes are denoted by the following abbreviations:

Class	Code
Sand	S
Loam	L
Silt	Z
Loamy sand	LS
Sandy loam	SL
Silt loam	ZL
Sandy clay loam	SCL
Clay loam	CL
Silt clay loam	ZCL
Clay	C
Silty clay	ZC
Sandy clay	SC

Organic soils i.e. those with an organic matter greater than 10% will be preceded with a letter O.

Peaty soils i.e. those with an organic matter greater than 20% will be preceded with a letter P.