

Certificate of Analysis

TS6 Topsoil

BS 3882 : 2007 SPECIFICATION FOR TOPSOIL

				Compliant with range (Y/N)			
		Unit	Result	Multi-P	Low-F	Acid	Calc
Texture:	Clay	% w/w	11	Y	Y	Y	Y
	Silt	% w/w	6	Y	Y	Y	Y
	Sand	% w/w	83	Y	Y	Y	Y
	Textural Class		Sandy Loam	0	0	0	0
Organic Matter:		% w/w	4.5	Y	Y	Y	Y
Coarse	>2 mm	% w/w	1.0	Y	Y	Y	Y
Fragment	>20 mm	% w/w	0.0	Y	Y	Y	Y
Content:	>50 mm	% w/w	0.0	Y	Y	Y	Y
Soil pH:			8.0	Y	Y	N	Y
Carbonate:		% w/w	1.4	0	0	0	Y
Available	Nitrogen	% w/w	0.27	Y	N	Y	Y
Plant	Phosphorus	mg/l	56.7	(4)*	Y	N	Y
Nutrients:	Potassium	mg/l	1128.1	(6)*	N	N	N
	Magnesium	mg/l	121.6	(3)*	Y	Y	Y
Carbon:Nitrogen Ratio:		:1	12.8	Y	Y	Y	Y
Exchangeable Sodium Percentage:		%	2.5	Y	Y	Y	Y
Phytotoxic	Total Zinc	mg/kg	41.2	Y	Y	Y	Y
Contaminants:	Total Copper	mg/kg	10.6	Y	Y	Y	Y
	Total Nickel	mg/kg	16.0	Y	Y	Y	Y
Visible	> 2mm	% w/w	0.00	Y	Y	Y	Y
Contaminants:	Plastics	% w/w	0.00	Y	Y	Y	Y
	Sharps	% w/w	0.00	Y	Y	Y	Y
Additional	Available Sodium	mg/l	82.2	0	0	0	0
Analysis:	Available Calcium	mg/l	1511.9	0	0	0	0
	Conductivity	uS/cm	2987	0	0	0	0
Compliance:				N	N	N	N

Results are expressed on a dry matter basis.

* Soil indices from RB209.

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Declaration: I certify that this sample has been analysed by NRM Ltd in accordance with BS 3882 Specification for Topsoil (2007).

The attached specification fails BS3882 on ONE count.

The maximum BS3882 permissible level of Potassium has been set at 900mg/l: these results show a level of 1136mg/l and all manufactured soils contain higher levels because organic compost forms part of the mix. The soil is rich in all major plant nutrients and needs no additional fertiliser.

The reason why such low levels of Potassium and Phosphate have been set is because in circumstances where salinity levels are high there could be lock up of other plant nutrient and this could inhibit healthy plant development. In this case however electrical conductivity is not excessive and there will be no restriction to plant growth (indeed it would be beneficial to certain plants).