

Certificate of Analysis

TS1-20mm Topsoil

Clay (<0.002mm)	%	U	13	✓
Silt (0.002-0.063mm)	%	U	22	✓
Sand (0.63-2.0mm)	%	U	65	✓
Texture Class (UK Classification))	--	U	SL	✓
Stones (2-20mm)	% DW	G	0	✓
Stones (20-50mm)	% DW	G	0	✓
Stones (>50mm)	% DW	G	0	✓
pH Value (1:2.5 water extract)	units	G	8.1	✓
Electrical Conductivity (1:2.5 water extract)	uS/cm	U	641	✓
Electrical Conductivity (1:2 CaSO4 extract)	uS/cm	U	2415	*
Exchangeable Sodium Percentage	%	G	2	✓
Moisture Content	%	G	16	✓
Organic Matter (WB)	%	U	3.9	✓
Total Nitrogen (Dumas)	%	U	0.22	✓
Extractable Phosphorus	mg/l	U	10	✓
Extractable Potassium	mg/l	U	562	✓
Extractable Magnesium	mg/l	U	104	✓
Total Arsenic (As)	mg/kg	M	8	✓
Total Barium (Ba)	mg/kg	M	42	✓
Total Beryllium (Be)	mg/kg	M	0.4	✓
Total Cadmium (Cd)	mg/kg	M	0.2	✓
Total Chromium (Cr)	mg/kg	M	23	✓
Total Copper (Cu)	mg/kg	M	11	✓
Total Lead (Pb)	mg/kg	M	17	✓
Total Mercury (Hg)	mg/kg	M	0.04	✓
Total Nickel (Ni)	mg/kg	M	11.4	✓
Total Selenium (Se)	mg/kg	M	0.3	✓
Total Vanadium (V)	mg/kg	M	28	✓
Total Zinc (Zn)	mg/kg	M	35	✓
Water Soluble Boron (B)	mg/kg	M	1.6	✓
Total Cyanide (CN)	mg/kg	M	<1	✓
Total (mono) Phenols	mg/kg	U	<1	✓
Elemental Sulphur (S)	mg/kg	M	<20	✓
Acid Volatile Sulphide (S)	mg/kg	U	2	✓
Water Soluble Sulphate (SO4)	g/l	M	0.17	✓
Naphthalene	mg/kg	M	<0.4	✓
Acenaphthylene	mg/kg	M	<0.1	✓
Acenaphthene	mg/kg	M	<0.1	✓
Fluorene	mg/kg	M	<0.1	✓
Phenanthrene	mg/kg	M	<0.2	✓
Anthracene	mg/kg	M	<0.1	✓
Fluoranthene	mg/kg	M	<0.2	✓
Pyrene	mg/kg	M	<0.2	✓
Benzo(a)anthracene	mg/kg	M	<0.1	✓
Chrysene	mg/kg	M	0.2	✓
Benzo(b)fluoranthene	mg/kg	M	<0.1	✓
Benzo(k)fluoranthene	mg/kg	M	<0.1	✓
Benzo(a)pyrene	mg/kg	M	<0.1	✓
Indeno(1,2,3-cd)pyrene	mg/kg	M	<0.1	✓
Dibenzo(a,h)anthracene	mg/kg	M	<0.1	✓
Benzo(g,h,i)perylene	mg/kg	M	<0.1	✓
Total PAHs (sum USEPA16)	mg/kg	M	<2	✓
TPH (C5-C35)	mg/kg	M	<50	✓

Visual Examination

Brown, slightly moist, friable sandy loam with a moderately developed fine to coarse granular and subrounded blocky structures. Virtually stone free with no observable deleterious materials, including foreign matter (brick, concrete, glass, metal, plastic) and roots or rhizomes of pernicious weeds (including couch grass and Japanese knotweed).

✓	Meets BS3882:2007 General purpose specification
X	Fails BS3882:2007 General purpose specification
SL	Sandy Loam Texture Class
M	MCERTS accredited method (& UKAS accredited method)
U	UKAS accredited method
G	GLP accredited method

* The electrical conductivity (salinity) values of the sample were moderately high and the calcium sulphate extract (BS3882 requirement) exceeded the maximum specified value (2800 uS/cm). However, further testing found the sample to possess a low Exchangeable Sodium Percentage (ESP), indicating a low sodium risk.