



TIM O'HARE ASSOCIATES
SOIL & LANDSCAPE CONSULTANCY

Client:	British Sugar plc Co-products
Client Ref:	Wissington Landscape 20 TOPSOIL
Date:	14/09/2018
Job Ref No	TOHA/18/7739/SS

Sample Reference			Wi-L20-24KT-Mar18	Wi-L20-32KT-May18	Wi-L20-40KT-June18	Wi-L20-Sep 18	Average	
Job Reference No.			TOHA/18/7555/SS	TOHA/18/7579/SS	TOHA/18/7633/SS	TOHA/18/7739/SS		
pH Value (1:2.5 water extract)	units	G	7.7	7.8	8.1	8.1	6.3	✓
Electrical Conductivity (1:2.5 water extract)	uS/cm	U	2242	1216	1470	1263	1238.2	✓
Organic Matter (LOI)	%	U	8.6	7.4	5.6	6.1	5.5	✓
Total Arsenic (As)	mg/kg	M	9.2	12	11	12	8.8	✓
Total Barium (Ba)	mg/kg	M	44	49	42	48	36.6	✓
Total Beryllium (Be)	mg/kg	M	0.42	0.52	0.41	0.49	0.4	✓
Total Cadmium (Cd)	mg/kg	M	< 0.2	0.3	< 0.2	< 0.2	0.2	✓
Total Chromium (Cr)	mg/kg	M	15	17	16	20	13.6	✓
Hexavalent Chromium (Cr VI)	mg/kg	M	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	✓
Total Copper (Cu)	mg/kg	M	13	17	12	18	12.0	✓
Total Lead (Pb)	mg/kg	M	15	20	14	21	1.2	✓
Total Mercury (Hg)	mg/kg	M	0.3	< 0.3	0.9	< 0.3	0.5	✓
Total Nickel (Ni)	mg/kg	M	12	15	12	14	10.6	✓
Total Selenium (Se)	mg/kg	M	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	✓
Total Vanadium (V)	mg/kg	M	25	29	25	27	2.2	✓
Total Zinc (Zn)	mg/kg	M	42	48	39	45	34.8	✓
Water Soluble Boron (B)	mg/kg	M	3.5	3.2	2.5	3.6	2.6	✓
Total Cyanide (CN)	mg/kg	M	< 1.0	< 1.0	< 1	< 1	< 1	✓
Total (mono) Phenols	mg/kg	M	< 1.0	< 1.0	< 1	< 1.0	< 1.0	✓
Naphthalene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Acenaphthylene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Acenaphthene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Fluorene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Phenanthrene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Anthracene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Fluoranthene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Pyrene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Benzo(a)anthracene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Chrysene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Benzo(b)fluoranthene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Benzo(k)fluoranthene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Benzo(a)pyrene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Indeno(1,2,3-cd)pyrene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Dibenzo(a,h)anthracene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Benzo(g,h,i)perylene	mg/kg	M	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	✓
Total PAHs (sum USEPA16)	mg/kg	M	< 0.8	< 0.8	< 0.8	< 0.8	<0.8	✓
Aliphatic TPH (C5-C6)	mg/kg	M	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	✓
Aliphatic TPH (C6-C8)	mg/kg	M	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	✓
Aliphatic TPH (C8-C10)	mg/kg	M	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	✓
Aliphatic TPH (C10-C12)	mg/kg	M	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	✓
Aliphatic TPH (C12-C16)	mg/kg	M	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	✓
Aliphatic TPH (C16-C21)	mg/kg	M	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	✓
Aliphatic TPH (C21-C35)	mg/kg	M	< 8.0	< 8.0	< 8.0	< 8.0	10.5	✓
Aliphatic TPH (C5-C35)	mg/kg	M	< 10	< 10	< 10	< 10	20.6	✓
Aromatic TPH (C5-C7)	mg/kg	M	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	✓
Aromatic TPH (C7-C8)	mg/kg	M	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	✓
Aromatic TPH (C8-C10)	mg/kg	M	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	✓
Aromatic TPH (C10-C12)	mg/kg	M	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	✓
Aromatic TPH (C12-C16)	mg/kg	M	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	✓
Aromatic TPH (C16-C21)	mg/kg	M	< 10.0	< 10	< 10	< 10	< 10	✓
Aromatic TPH (C21-C35)	mg/kg	M	< 10.0	28	< 10	< 10	11.2	✓
Aromatic TPH (C5-C35)	mg/kg	M	< 10.0	33	< 10	< 10	12.2	✓
Benzene	mg/kg	M	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	✓
Toluene	mg/kg	M	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	✓
Ethylbenzene	mg/kg	M	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	✓
o-xylene	mg/kg	M	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	✓
Asbestos	--	I	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	✓

✓	Meets General Landscape Specification
X	Fails General Landscape Specification
M	MCERTS accredited method (& UKAS accredited method)
U	UKAS accredited method
G	GLP accredited method
I	ISO 17025 accredited method
nt	Not Tested

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