



**SOCOTEC**

Environmental Chemistry  
SOCOTEC UK  
Ashby Rd, Bretby,  
Burton-on-Trent, UK  
DE15 0YZ

# Certificate of Analysis

Project No: 20111944

Client: Enitial

Quote Number: BEC20015786

Project Reference: Woolfox

Site Name: Woolfox

Contact: Ben Abbott

Address: Enterprise Drive  
Four Ashes  
Wolverhampton

Post Code: WV10 7DE

E-Mail: ben.abbott@enitial.co.uk

Phone No: tbc

Number of Samples Received: 3

Date Received: 26/11/2020

Analysis Date: 07/12/2020

Date Issued: 07/12/2020

Job Status: Complete

Report Type: Final Version 01

This report supersedes any versions previously issued by the laboratory

Account Manager  
Laura Moore

Authorised by the Operations Manager  
Becky Batham



Client: Enital

Project Name: Woolfox

Project No: 20111944

Date Issued: 07/12/2020

Samples Analysed

<u>Sample Reference</u>	<u>Text ID</u>	<u>Sample Date</u>	<u>Sample Type</u>	<u>Sample Description</u>
BHX	20111944-001	24/11/2020 00:00:00	WATER	Ground Water
BHY	20111944-002	24/11/2020 00:00:00	WATER	Ground Water
BHZ	20111944-003	24/11/2020 00:00:00	WATER	Ground Water



Client: Enitial  
 Project Name: Woolfox  
 Project No: 20111944  
 Date Issued: 07/12/2020

**Analysis Results**

Project ID	<b>20111944</b>		
Sample ID	<b>001</b>	<b>002</b>	<b>003</b>
Customer ID	BHX	BHY	BHZ
Sample Type	<b>WATER</b>	<b>WATER</b>	<b>WATER</b>
Sampling Date	<b>24/11/2020</b>	<b>24/11/2020</b>	<b>24/11/2020</b>

Analysis	Method Code	MDL	Units	Accred			
Ammoniacal Nitrogen as N	KONENS	0.01	mg/l	U	<0.01	0.01	<0.01
Conductivity at 25°C	WSLM2 & 3	100	µS/cm	U	833	763	783
pH	WSLM2 & 3	1	pH units	U	7.5	7.5	7.5
Redox Potential	WSLM25		mV	N	46.0	60.8	65.7
Chloride as Cl	KONENS	1	mg/l	U	67	42	44
Total Oxidised Nitrogen	KONENS	0.2	mg/l	U	5.0	12.5	13.3
COD (Settled)	WSLM11	5	mg/l	U	<5	<5	<5
Acidity as CaCO3	WSLM17	2	mg/l	U	40.0	Nil	32.0
Total Alkalinity	WSLM12	2	mg/l	U	272	224	226
Dissolved Oxygen	WSLM20	0.1	mg O2/l	N	8.0	8.7	6.7
BOD (5 day)	WSLM20	1	mg O2/l	U		1.3*	1.9*
					3.3		
Total Organic Carbon	WSLM13	0.2	mg/l	U	1.0	0.65	0.71
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U	<0.00002	<0.00002	<0.00002
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001	<0.001	<0.001
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001	<0.001	<0.001
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001	<0.001	<0.001
Manganese as Mn	ICPMSW (Dissolved)	0.002	mg/l	U	<0.002	0.012	<0.002
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U	0.003	0.001	<0.001
Tin as Sn	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001	<0.001	<0.001
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U	0.003	0.003	0.004
Calcium as Ca	ICPWATVAR (Dissolved)	1	mg/l	U	141	136	148
Iron as Fe	ICPWATVAR (Dissolved)	0.01	mg/l	U	<0.01	<0.01	<0.01
Magnesium as Mg	ICPWATVAR (Dissolved)	1	mg/l	U	16	7	7





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**Analysis Results**

Project ID	<b>20111944</b>						
Sample ID	<b>001</b>	<b>002</b>	<b>003</b>				
Customer ID	BHX	BHY	BHZ				
Sample Type	<b>WATER</b>	<b>WATER</b>	<b>WATER</b>				
Sampling Date	<b>24/11/2020</b>	<b>24/11/2020</b>	<b>24/11/2020</b>				
Analysis	Method Code	MDL	Units	Accred			
Potassium as K	ICPWATVAR (Dissolved)	1	mg/l	U	2	4	4
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U	85	68	66
Sodium as Na	ICPWATVAR (Dissolved)	1	mg/l	U	32	21	18



# Additional Report Notes

Method Code	Sample ID	The following information should be taken into consideration when using the data contained within this report
WSLM20	2, 3	The BOD results for all samples on this job were associated with a Quality Control batch failure so as a result the UKAS accreditation has been removed. The results have been provided for information purposes because the labile nature of the samples mean that repeat analysis could not be undertaken. The AQC was lower than the target value for the test so as such your sample results may have been affected in the same way.



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Project Name: Woolfox

Project No: 20111944

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<u>Deviating Sample Report</u>				Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time	Handling Time
Sample Reference	Text ID	Reported Name								
BHX	20111944-001	WSLM20 BOD (5 day)							✓	
BHX	20111944-001	WSLM20 Dissolved Oxygen							✓	
BHY	20111944-002	WSLM20 BOD (5 day)							✓	
BHY	20111944-002	WSLM20 Dissolved Oxygen							✓	
BHZ	20111944-003	WSLM20 BOD (5 day)							✓	
BHZ	20111944-003	WSLM20 Dissolved Oxygen							✓	

**Analysis Method**

<u>Analysis</u>	<u>Analysis Type</u>	<u>Analysis Method</u>
ICPMSW (Dissolved)	METALS	Unfiltered
ICPWATVAR (Dissolved)	METALS	Filtered
KONENS	INORGANIC	Filtered
WSLM11	INORGANIC	Unfiltered
WSLM12	INORGANIC	Unfiltered
WSLM13	INORGANIC	Unfiltered
WSLM17	INORGANIC	Unfiltered
WSLM2 & 3	INORGANIC	Unfiltered
WSLM20	INORGANIC	Unfiltered
WSLM25	INORGANIC	Unfiltered



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### Additional Information

This report refers to samples as received, and SOCOTEC Uk Ltd takes no responsibility for accuracy or competence of sampling by others.

Results within this report relate only to the samples tested.

In the accreditation column of analysis report the codes are as follows:

- U = UKAS accredited analysis
- M = MCERT accredited analysis
- N = Unaccredited analysis

Any units marked with ^ signify results are reported on a dry weight basis of 105° c

All Air Dried and Ground Samples (ADG) are oven dried at less than 35° c.

This report shall not be reproduced except in full and with approval from the laboratory.

Opinions and interpretations given are outside the scope of our UKAS accreditation.

Any samples marked with \* are not covered by our scope of UKAS accreditation. If applicable, further report notes have been added.

Any solid samples where the Major Constituents are not one of the following ( Sand, Silt, Clay, Made Ground) are not one of our accredited matrix types.

Any samples marked with ‡ have had MCERTS accreditation removed for this result

Any samples marked with a tick in the deviant table is deviant for the specific reason.

Any samples reported as IS, NA, ND mean the following:

- IS = Insufficient Sample to complete analysis
- NA = Sample is not amenable for the required analysis
- ND = Results cannot be determined

Our deviating sample report does not include deviancy information for Subcontracted analysis. Please see the report from the Subcontracted lab for information regarding any deviancies for this analysis.

## **End of Certificate of Analysis**