

**ALS Environmental Ltd**  
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[www.alsenvironmental.co.uk](http://www.alsenvironmental.co.uk)

**Mr Lavercombe**  
**2 Sisters Red Meat Ltd**  
**Pengarnddu Industrial Estate**  
**Dowlais Top**  
**Merthyr CF48 2TA**  
**Glamorgan**

01 February 2018

**Test Report: COV/1495732/2018**

Dear Mr Lavercombe

Analysis of your sample(s) submitted on 18 January 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

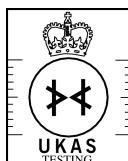
Signed: 

Name: P. Patel

Title: Inorganic Team Leader



# Report Summary



1314  
0897  
4409



**Mr Rob Lavercombe  
2 Sisters Red Meat Ltd  
Pengarnddu Industrial Estate  
Dowlais Top  
Merthyr  
Glamorgan  
CF48 2TA**

Date of Issue: **01 February 2018**

Report Number: **COV/1495732/2018**

Issue **1**

This issue replaces  
all previous issues

**Job Description:** PP8/W1/TPH Analysis

**Job Location:** PP8/W1/TPH Analysis

Number of Samples  
included in this report **3**

Job Received: **18 January 2018**

Number of Test Results  
included in this report **78**

Analysis Commenced: **23 January 2018**

Signed:

Name: **P. Patel**

Date: **01 February 2018**

Title: **Inorganic Team Leader**

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

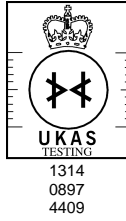
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

This communication has been sent to you by ALS Environmental Ltd. Registered in England and Wales. Registration No. 02148934. Registered Office: ALS Environmental Limited, Torrington Avenue, Coventry, CV4 9GU.

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# Certificate of Analysis



Report Number: **COV/1495732/2018**

Issue **1**

Laboratory Number: **16776324**

Sample **1** of **3**

Sample Source: **2 Sisters Red Meat Ltd**

Sample Point Description: **St. Merryns Meat**

Sample Description: **PP8**

Sample Matrix: **Trade Effluent**

Sample Date/Time: **18 January 2018 07:00**

Sample Received: **18 January 2018**

Analysis Complete: **01 February 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Oil and Grease	28.8	mg/l	29/01/2018	Y S	SUBCON
pH	6.8	pH units	24/01/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	3.95	mg/l	23/01/2018	Y Cov	WAS036
Total Suspended Solids	44.0	mg/l	25/01/2018	Y Cov	WAS006
Dissolved Oxygen, Unfixed	1.1	mg/l	25/01/2018	N Cov	WAS052
COD (Total)	517	mg/l	24/01/2018	Y Cov	WAS040
Detergents, Anionic/Manoxol OT	1.13	mg/l	26/01/2018	N Cov	WAS020
Azinphos-ethyl	<0.010	ug/l	24/01/2018	Y Cov	GEO47
Azinphos-methyl	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Carbophenothion	<0.006	ug/l	24/01/2018	Y Cov	GEO47
Chlorfenvinphos	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Chlorpyrifos	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Diazinon	0.344	ug/l	24/01/2018	Y Cov	GEO47
Dichlorvos	<0.002	ug/l	24/01/2018	Y Cov	GEO47
Dimethoate	<0.02	ug/l	24/01/2018	Y Cov	GEO47
Fenitrothion	<0.005	ug/l	24/01/2018	Y Cov	GEO47
Fenthion	<0.005	ug/l	24/01/2018	Y Cov	GEO47
Malathion	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Mevinphos	<0.020	ug/l	24/01/2018	Y Cov	GEO47
Parathion-ethyl	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Parathion-methyl	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Phorate	<0.006	ug/l	24/01/2018	Y Cov	GEO47
Phosalone	<0.007	ug/l	24/01/2018	Y Cov	GEO47
Pirimiphos-methyl	<0.005	ug/l	24/01/2018	Y Cov	GEO47
Propetamphos	<0.003	ug/l	24/01/2018	Y Cov	GEO47
Triazophos	<0.004	ug/l	24/01/2018	Y Cov	GEO47

## Analyst Comments for 16776324:

This sample has been analysed for pH, Detergents, Anionic/Manoxol OT outside recommended stability times. It is therefore possible that the results provided may be compromised. Reporting limits raised for GCMSMS Pesticides due to the nature of the sample matrix. Reporting limit raised for Azinphos-Ethyl due to interferences of the sample matrix.

## ALS Environmental Ltd

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This issue replaces all previous issues

Accreditation Codes: Y = UKAS / ISO17025 Accredited, N = Not UKAS / ISO17025 Accredited, M = MCERTS.

Analysed at: CHE = Chester(CH4 9EP), CTD = Coatbridge(ML5 4FR), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 9TG).

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. The LOD for the Legionella analysis will increase where the volume analysed is <1000g (1g is approximately equivalent to 1ml for sample volume analysed).

I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed:

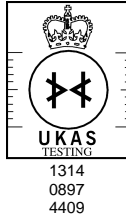


Name: **P. Patel**

Date: **01 February 2018**

Title: **Inorganic Team Leader**

# Certificate of Analysis



Report Number: **COV/1495732/2018**

Issue **1**

Laboratory Number: **16776325**

Sample **2** of **3**

Sample Source: **2 Sisters Red Meat Ltd**

Sample Point Description: **St. Merryns Meat**

Sample Description: **W1**

Sample Matrix: **Trade Effluent**

Sample Date/Time: **18 January 2018 07:10**

Sample Received: **18 January 2018**

Analysis Complete: **01 February 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Oil and Grease	0.66	mg/l	29/01/2018	Y S	SUBCON
pH	7.4	pH units	24/01/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	Analyst Com	mg/l	01/02/2018	Y Cov	WAS036
Total Suspended Solids	16.0	mg/l	25/01/2018	Y Cov	WAS006
Dissolved Oxygen, Unfixed	7.9	mg/l	25/01/2018	N Cov	WAS052
COD (Total)	33.0	mg/l	24/01/2018	Y Cov	WAS040
Detergents, Anionic/Manoxol OT	<0.33	mg/l	26/01/2018	N Cov	WAS020
Azinphos-ethyl	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Azinphos-methyl	<0.002	ug/l	24/01/2018	Y Cov	GEO47
Carbophenothion	<0.003	ug/l	24/01/2018	Y Cov	GEO47
Chlorfenvinphos	<0.002	ug/l	24/01/2018	Y Cov	GEO47
Chlorpyrifos	<0.002	ug/l	24/01/2018	Y Cov	GEO47
Diazinon	0.028	ug/l	24/01/2018	Y Cov	GEO47
Dichlorvos	<0.002	ug/l	24/01/2018	Y Cov	GEO47
Dimethoate	<0.020	ug/l	24/01/2018	Y Cov	GEO47
Fenitrothion	<0.002	ug/l	24/01/2018	Y Cov	GEO47
Fenthion	<0.002	ug/l	24/01/2018	Y Cov	GEO47
Malathion	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Mevinphos	<0.020	ug/l	24/01/2018	Y Cov	GEO47
Parathion-ethyl	<0.003	ug/l	24/01/2018	Y Cov	GEO47
Parathion-methyl	<0.003	ug/l	24/01/2018	Y Cov	GEO47
Phorate	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Phosalone	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Pirimiphos-methyl	<0.005	ug/l	24/01/2018	Y Cov	GEO47
Propetamphos	<0.003	ug/l	24/01/2018	Y Cov	GEO47
Triazophos	<0.002	ug/l	24/01/2018	Y Cov	GEO47

**Analyst Comments for 16776325:**

This sample has been analysed for pH, Detergents, Anionic/Manoxol OT outside recommended stability times. It is therefore possible that the results provided may be compromised. Insufficient sample for Ammonia analysis.

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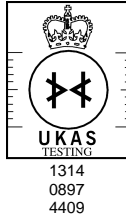


Name: **P. Patel**

Date: **01 February 2018**

Title: **Inorganic Team Leader**

# Certificate of Analysis



Report Number: **COV/1495732/2018**

Issue **1**

Laboratory Number: **16776326**

Sample **3** of **3**

Sample Source: **2 Sisters Red Meat Ltd**

Sample Point Description: **St. Merryns Meat**

Sample Description: **W2**

Sample Matrix: **Trade Effluent**

Sample Date/Time: **18 January 2018 07:20**

Sample Received: **18 January 2018**

Analysis Complete: **01 February 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Oil and Grease	<0.60	mg/l	29/01/2018	Y S	SUBCON
pH	8.1	pH units	24/01/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	0.64	mg/l	23/01/2018	Y Cov	WAS036
Total Suspended Solids	5.00	mg/l	25/01/2018	Y Cov	WAS006
Dissolved Oxygen, Unfixed	10.6	mg/l	25/01/2018	N Cov	WAS052
COD (Total)	<11.0	mg/l	24/01/2018	Y Cov	WAS040
Detergents, Anionic/Manoxol OT	<0.33	mg/l	26/01/2018	N Cov	WAS020
Azinphos-ethyl	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Azinphos-methyl	<0.002	ug/l	24/01/2018	Y Cov	GEO47
Carbophenothion	<0.003	ug/l	24/01/2018	Y Cov	GEO47
Chlorfenvinphos	<0.002	ug/l	24/01/2018	Y Cov	GEO47
Chlorpyrifos	<0.002	ug/l	24/01/2018	Y Cov	GEO47
Diazinon	<0.003	ug/l	24/01/2018	Y Cov	GEO47
Dichlorvos	<0.002	ug/l	24/01/2018	Y Cov	GEO47
Dimethoate	<0.020	ug/l	24/01/2018	Y Cov	GEO47
Fenitrothion	<0.002	ug/l	24/01/2018	Y Cov	GEO47
Fenthion	<0.002	ug/l	24/01/2018	Y Cov	GEO47
Malathion	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Mevinphos	<0.020	ug/l	24/01/2018	Y Cov	GEO47
Parathion-ethyl	<0.003	ug/l	24/01/2018	Y Cov	GEO47
Parathion-methyl	<0.003	ug/l	24/01/2018	Y Cov	GEO47
Phorate	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Phosalone	<0.004	ug/l	24/01/2018	Y Cov	GEO47
Pirimiphos-methyl	<0.005	ug/l	24/01/2018	Y Cov	GEO47
Propetamphos	<0.003	ug/l	24/01/2018	Y Cov	GEO47
Triazophos	<0.002	ug/l	24/01/2018	Y Cov	GEO47

**Analyst Comments for 16776326:**

This sample has been analysed for pH, Detergents, Anionic/Manoxol OT outside recommended stability times. It is therefore possible that the results provided may be compromised.

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Signed:



Name: **P. Patel**

Date: **01 February 2018**

Title: **Inorganic Team Leader**