

Concept Life Sciences

Certificate of Analysis

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Report Number: 681388-1

Date of Report: 14-Sep-2017

Customer: A1 Services (Manchester) Ltd
Mayo House
4 Overman Way
Swinton
M27 8BQ

Customer Contact: Mr Andy Murray

Customer Job Reference:

Customer Site Reference: Former Oak Motors, Sheffield Road,
Glossop

Date Job Received at Concept: 11-Sep-2017

Date Analysis Started: 11-Sep-2017

Date Analysis Completed: 14-Sep-2017

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

This report should not be reproduced except in full without the written approval of the laboratory

Tests covered by this certificate were conducted in accordance with Concept Life Sciences SOPs

All results have been reviewed in accordance with Section 25 of the Concept Life Sciences, Analytical Services Quality Manual

Report checked
and authorised by :
Sara Abou-Shakra
Customer Service Advisor

Issued by :
Sara Abou-Shakra
Customer Service Advisor



Concept Reference: 681388						
Project Site: Former Oak Motors, Sheffield Road, Glossop						
Customer Reference:						
Bulk Product		Analysed as Bulk Product				
Metals Suite						
Concept Reference				681388 001	681388 002	
Customer Sample Reference				Sample 1	Sample 2	
Determinand	Method	Test Sample	LOD	Units		
Arsenic	T6	A40	1	mg/kg	31	24
Cadmium	T6	A40	1	mg/kg	<1	<1
Chromium	T6	A40	1	mg/kg	26	21
Copper	T6	A40	1	mg/kg	200	68
Lead	T6	A40	1	mg/kg	530	530
Mercury	T6	A40	1	mg/kg	<1	<1
Nickel	T6	A40	1	mg/kg	63	25
Selenium	T6	A40	10	mg/kg	<10	<10
Zinc	T6	A40	1	mg/kg	150	160

Concept Reference: 681388						
Project Site: Former Oak Motors, Sheffield Road, Glossop						
Customer Reference:						
Bulk Product		Analysed as Bulk Product				
Miscellaneous						
Concept Reference				681388 001	681388 002	
Customer Sample Reference				Sample 1	Sample 2	
Determinand	Method	Test Sample	LOD	Units		
Loss on Ignition	T2	AR	0.1	%	11	6.2
pH	T7	AR			8.1	7.8

Concept Reference: 681388						
Project Site: Former Oak Motors, Sheffield Road, Glossop						
Customer Reference:						
Bulk Product		Analysed as Bulk Product				
BTEX						
Concept Reference				681388 001	681388 002	
Customer Sample Reference				Sample 1	Sample 2	
Determinand	Method	Test Sample	LOD	Units		
Benzene	T54	AR	1	µg/kg	(13) <1	(13) <1
EthylBenzene	T54	AR	1	µg/kg	<1	<1
Toluene	T54	AR	1	µg/kg	(13) 6	(13) 2
O Xylene	T54	AR	1	µg/kg	<1	<1
M/P Xylene	T54	AR	1	µg/kg	<1	<1
BTEX (Sum)	T85	AR	4.0	µg/kg	6.0	<4.0

Concept Reference: 681388						
Project Site: Former Oak Motors, Sheffield Road, Glossop						
Customer Reference:						
Bulk Product			Analysed as Bulk Product			
PCB EC7						
Concept Reference				681388 001	681388 002	
Customer Sample Reference				Sample 1	Sample 2	
Determinand	Method	Test Sample	LOD	Units		
PCB BZ#28	T1	AR	0.5	µg/kg	(26,9) <10	(26,9) <10
PCB BZ#52	T1	AR	0.5	µg/kg	(26,9) <10	(9,26) <10
PCB BZ#101	T149	AR	0.5	µg/kg	(9,26) <10	(9,26) <10
PCB BZ#118	T149	AR	0.5	µg/kg	(26,9) <10	(26,9) <10
PCB BZ#138	T149	AR	0.5	µg/kg	(9,26) <10	(9,26) <10
PCB BZ#153	T149	AR	0.5	µg/kg	(9,26) <10	(26,9) <10
PCB BZ#180	T1	AR	0.5	µg/kg	(26,9) <10	(9,26) <10
PCB EC7 (Sum)	T85	AR	3.5	µg/kg	(9,26) <70	(26,9) <70

Concept Reference: 681388						
Project Site: Former Oak Motors, Sheffield Road, Glossop						
Customer Reference:						
Bulk Product			Analysed as Bulk Product			
PAH EPA 16, Coronene						
Concept Reference					681388 001	681388 002
Customer Sample Reference					Sample 1	Sample 2
Determinand	Method	Test Sample	LOD	Units		
Naphthalene	T16	AR	0.1	mg/kg	0.8	0.5
Acenaphthylene	T16	AR	0.1	mg/kg	0.4	0.7
Acenaphthene	T16	AR	0.1	mg/kg	1.0	0.4
Fluorene	T16	AR	0.1	mg/kg	0.8	0.5
Phenanthrene	T16	AR	0.1	mg/kg	8.8	7.3
Anthracene	T16	AR	0.1	mg/kg	3.1	3.7
Fluoranthene	T16	AR	0.1	mg/kg	17	19
Pyrene	T16	AR	0.1	mg/kg	14	16
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	8.8	11
Chrysene	T16	AR	0.1	mg/kg	8.6	9.8
Benzo(b,k)Fluoranthene	T16	AR	0.1	mg/kg	15	16
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	8.8	9.9
Indeno(123-cd)Pyrene	T16	AR	0.1	mg/kg	5.1	5.3
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	1.7	1.9
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	5.9	5.9
Coronene	T16	AR	0.1	mg/kg	1.6	1.5
Total PAH	T85	AR	1.6	mg/kg	100	110

Concept Reference: 681388						
Project Site: Former Oak Motors, Sheffield Road, Glossop						
Customer Reference:						
Bulk Product			Analysed as Bulk Product			
Total Petroleum Hydrocarbons						
Concept Reference				681388 001	681388 002	
Customer Sample Reference				Sample 1	Sample 2	
Determinand	Method	Test Sample	LOD	Units		
TPH (C6-C10)	T54	AR	100	µg/kg	<100	<100
TPH (C10-C25)	T427	AR	1	mg/kg	(13) 110	(13) 33
TPH (C25-C40)	T427	AR	1	mg/kg	(13) 150	(13) 72
TPH C6-C40 (Sum)	T85	AR	1	mg/kg	(13) 260	(13) 110
TPH (C10-C40 Mineral Oil;WAC)	T427	AR	1	mg/kg	(13) 260	(13) 110

Index to symbols used in 681388-1

Value	Description
AR	As Received
A40	Assisted dried < 40C
26	LOD raised because the analysis was performed by an alternative technique
13	Results have been blank corrected.
9	LOD raised due to dilution of sample
N	Analysis is not UKAS accredited

Method Index

Value	Description
T16	GC/MS
T7	Probe
T1	GC/MS (HR)
T85	Calc
T149	GC/MS (SIR)
T427	GC/FID (Acid Silica)
T6	ICP/OES
T54	GC/MS (Headspace)
T2	Grav

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	Concept References
Loss on Ignition	T2	AR	0.1	%	N	001-002
pH	T7	AR			N	001-002
Benzene	T54	AR	1	µg/kg	N	001-002
EthylBenzene	T54	AR	1	µg/kg	N	001-002
Toluene	T54	AR	1	µg/kg	N	001-002
O Xylene	T54	AR	1	µg/kg	N	001-002
m/p Xylene	T54	AR	1	µg/kg	N	001-002
BTEX (Sum)	T85	AR	4.0	µg/kg	N	001-002
PCB BZ#28	T1	AR	0.5	µg/kg	N	001-002
PCB BZ#52	T1	AR	0.5	µg/kg	N	001-002
PCB BZ#101	T149	AR	0.5	µg/kg	N	001-002
PCB BZ#118	T149	AR	0.5	µg/kg	N	001-002
PCB BZ#138	T149	AR	0.5	µg/kg	N	001-002
PCB BZ#153	T149	AR	0.5	µg/kg	N	001-002
PCB BZ#180	T1	AR	0.5	µg/kg	N	001-002
PCB EC7 (Sum)	T85	AR	3.5	µg/kg	N	001-002
Naphthalene	T16	AR	0.1	mg/kg	N	001-002
Acenaphthylene	T16	AR	0.1	mg/kg	N	001-002
Acenaphthene	T16	AR	0.1	mg/kg	N	001-002
Fluorene	T16	AR	0.1	mg/kg	N	001-002
Phenanthrene	T16	AR	0.1	mg/kg	N	001-002
Anthracene	T16	AR	0.1	mg/kg	N	001-002
Fluoranthene	T16	AR	0.1	mg/kg	N	001-002
Pyrene	T16	AR	0.1	mg/kg	N	001-002
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	N	001-002
Chrysene	T16	AR	0.1	mg/kg	N	001-002
Benzo(b/k)Fluoranthene	T16	AR	0.1	mg/kg	N	001-002
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	N	001-002
Indeno(1,23-cd)Pyrene	T16	AR	0.1	mg/kg	N	001-002
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	N	001-002
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	N	001-002
Coronene	T16	AR	0.1	mg/kg	N	001-002
Total PAH	T85	AR	1.6	mg/kg	N	001-002
TPH (C6-C10)	T54	AR	100	µg/kg	N	001-002
TPH (C10-C25)	T427	AR	1	mg/kg	N	001-002
TPH (C25-C40)	T427	AR	1	mg/kg	N	001-002
TPH C6-C40 (Sum)	T85	AR	1	mg/kg	N	001-002
TPH (C10-C40 Mineral Oil:WAC)	T427	AR	1	mg/kg	N	001-002
Arsenic	T6	A40	1	mg/kg	N	001-002
Cadmium	T6	A40	1	mg/kg	N	001-002
Chromium	T6	A40	1	mg/kg	N	001-002
Copper	T6	A40	1	mg/kg	N	001-002
Lead	T6	A40	1	mg/kg	N	001-002
Mercury	T6	A40	1	mg/kg	N	001-002
Nickel	T6	A40	1	mg/kg	N	001-002

Determinand	Method	Test Sample	LOD	Units	Symbol	Concept References
Selenium	T6	A40	10	mg/kg	N	001-002
Zinc	T6	A40	1	mg/kg	N	001-002

