

ALcontrol Laboratories Analytical Services

CEN 10:1 ONE STAGE BATCH TEST

WAC ANALYTICAL RESULTS				REF:CEN12457-2		
Mass Sample taken (kg) =	0.14909	Moisture Content Ratio (%) =	65.50			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	60.42			
Particle Size <4mm =	>95%					
Job Number	200812160		Landfill Waste Acceptance Criteria Limits			
Batch	1					
Sample Number(s)	2					
Sampled Date	16/06/08					
Sample Identity	BGATP01					
Depth (m)	0.5					
Solid Waste Analysis			Inert Waste Landfill	Stable Non- reactive Hazardous Waste in Non- Hazardous Landfill	Hazardous Waste Landfill	
Total Organic Carbon (%)	-		-	-	-	
Loss on Ignition (%)	-		-	-	-	
Sum of BTEX (mg/kg)	-		-	-	-	
Sum of 7 PCBs (mg/kg)	-		-	-	-	
Mineral Oil (mg/kg)	-		-	-	-	
PAH Sum of 17(mg/kg)	-		-	-	-	
pH (pH Units)	-		-	-	-	
ANC to pH 7 (mol/kg)	-		-	-	-	
ANC to pH 4 (mol/kg)	-		-	-	-	
Eluate Analysis	Conc ⁿ in 10:1 eluate		10:1 conc ⁿ leached	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
	C ₂		A ₂			
	mg/l		mg/kg			
Arsenic	<0.00075		<0.0075	-	-	
Barium	-		-	-	-	
Cadmium	<0.00022		<0.0022	-	-	
Chromium	<0.001		<0.01	-	-	
Copper	0.0020		0.020	-	-	
Mercury	0.00002		0.0002	-	-	
Molybdenum	-		-	-	-	
Nickel	0.023		0.23	-	-	
Lead	0.016		0.16	-	-	
Antimony	-		-	-	-	
Selenium	<0.001		<0.01	-	-	
Zinc	9.4		94	-	-	
Chloride	-		-	-	-	
Fluoride	-		-	-	-	
Sulphate as SO ₄	-		-	-	-	
Total Dissolved Solids	-		-	-	-	
Phenols Monohydric	-		-	-	-	
Dissolved Organic Carbon	-		-	-	-	
Leach Test Information						
Date Prepared	23/07/08	-				
pH (pH Units)	6.783	-				
Conductivity (µS/cm)	418	-				
Temperature (°C)	22.2	-				
Volume Leachant (Litres)	0.841	-				
Volume of Eluate VE1 (Litres)	-	-				
Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable						

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WAC ANALYTICAL RESULTS				REF:CEN12457-2		
Mass Sample taken (kg) =	0.11899	Moisture Content Ratio (%) =	32.25			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	75.62			
Particle Size <4mm =	>95%					
Job Number	200812160		Landfill Waste Acceptance Criteria Limits			
Batch	1					
Sample Number(s)	4					
Sampled Date	16/06/08					
Sample Identity	BGATP02					
Depth (m)	0.1					
Solid Waste Analysis			Inert Waste Landfill	Stable Non- reactive Hazardous Waste in Non- Hazardous Landfill	Hazardous Waste Landfill	
Total Organic Carbon (%)	-		-	-	-	
Loss on Ignition (%)	-		-	-	-	
Sum of BTEX (mg/kg)	-		-	-	-	
Sum of 7 PCBs (mg/kg)	-		-	-	-	
Mineral Oil (mg/kg)	-		-	-	-	
PAH Sum of 17(mg/kg)	-		-	-	-	
pH (pH Units)	-		-	-	-	
ANC to pH 7 (mol/kg)	-		-	-	-	
ANC to pH 4 (mol/kg)	-		-	-	-	
Eluate Analysis	Conc ⁿ in 10:1 eluate		10:1 conc ⁿ leached	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
	C ₂		A ₂			
	mg/l		mg/kg			
Arsenic	<0.00075		<0.0075	-	-	-
Barium	-		-	-	-	-
Cadmium	<0.00022		<0.0022	-	-	-
Chromium	<0.001		<0.01	-	-	-
Copper	0.027		0.27	-	-	-
Mercury	<0.00001		<0.0001	-	-	-
Molybdenum	-		-	-	-	-
Nickel	<0.0015		<0.015	-	-	-
Lead	0.022		0.22	-	-	-
Antimony	-		-	-	-	-
Selenium	<0.001		<0.01	-	-	-
Zinc	0.32		3.2	-	-	-
Chloride	-		-	-	-	-
Fluoride	-		-	-	-	-
Sulphate as SO ₄	-		-	-	-	-
Total Dissolved Solids	-		-	-	-	-
Phenols Monohydric	-		-	-	-	-
Dissolved Organic Carbon	-		-	-	-	-
Leach Test Information						
Date Prepared	23/07/08	-				
pH (pH Units)	6.176	-				
Conductivity (µS/cm)	37.8	-				
Temperature (°C)	21.9	-				
Volume Leachant (Litres)	0.871	-				
Volume of Eluate VE1 (Litres)	-	-				
Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable						

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CEN 10:1 ONE STAGE BATCH TEST

WAC ANALYTICAL RESULTS				REF: CEN12457-2		
Mass Sample taken (kg) =	0.11359	Moisture Content Ratio (%) =	26.93			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	78.78			
Particle Size <4mm =	>95%					
Job Number	200812160		Landfill Waste Acceptance Criteria Limits			
Batch	1					
Sample Number(s)	6					
Sampled Date	16/06/08					
Sample Identity	BGATP03					
Depth (m)	0.1					
Solid Waste Analysis			Inert Waste Landfill	Stable Non- reactive Hazardous Waste in Non- Hazardous Landfill	Hazardous Waste Landfill	
Total Organic Carbon (%)	-		-	-	-	
Loss on Ignition (%)	-		-	-	-	
Sum of BTEX (mg/kg)	-		-	-	-	
Sum of 7 PCBs (mg/kg)	-		-	-	-	
Mineral Oil (mg/kg)	-		-	-	-	
PAH Sum of 17(mg/kg)	-		-	-	-	
pH (pH Units)	-		-	-	-	
ANC to pH 7 (mol/kg)	-		-	-	-	
ANC to pH 4 (mol/kg)	-		-	-	-	
Eluate Analysis	Conc ⁿ in 10:1 eluate		10:1 conc ⁿ leached	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
	C ₂		A ₂			
	mg/l		mg/kg			
Arsenic	<0.00075		<0.0075	-	-	-
Barium	-		-	-	-	-
Cadmium	<0.00022		<0.0022	-	-	-
Chromium	0.005		0.05	-	-	-
Copper	<0.0016		<0.016	-	-	-
Mercury	<0.00001		<0.0001	-	-	-
Molybdenum	-		-	-	-	-
Nickel	0.0072		0.072	-	-	-
Lead	0.029		0.29	-	-	-
Antimony	-		-	-	-	-
Selenium	<0.001		<0.01	-	-	-
Zinc	0.62		6.2	-	-	-
Chloride	-		-	-	-	-
Fluoride	-		-	-	-	-
Sulphate as SO ₄	-		-	-	-	-
Total Dissolved Solids	-		-	-	-	-
Phenols Monohydric	-		-	-	-	-
Dissolved Organic Carbon	-		-	-	-	-
Leach Test Information						
Date Prepared	23/07/08	-				
pH (pH Units)	6.535	-				
Conductivity (µS/cm)	31.5	-				
Temperature (°C)	22.1	-				
Volume Leachant (Litres)	0.876	-				
Volume of Eluate VE1 (Litres)	-	-				
Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable						

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CEN 10:1 ONE STAGE BATCH TEST

WAC ANALYTICAL RESULTS				REF:CEN12457-2		
Mass Sample taken (kg) =	0.12237	Moisture Content Ratio (%) =	35.11			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	74.02			
Particle Size <4mm =	>95%					
Job Number	200812160		Landfill Waste Acceptance Criteria Limits			
Batch	1					
Sample Number(s)	5					
Sampled Date	16/06/08					
Sample Identity	BGATP02					
Depth (m)	0.3					
Solid Waste Analysis			Inert Waste Landfill	Stable Non- reactive Hazardous Waste in Non- Hazardous Landfill	Hazardous Waste Landfill	
Total Organic Carbon (%)	-		-	-	-	
Loss on Ignition (%)	-		-	-	-	
Sum of BTEX (mg/kg)	-		-	-	-	
Sum of 7 PCBs (mg/kg)	-		-	-	-	
Mineral Oil (mg/kg)	-		-	-	-	
PAH Sum of 17(mg/kg)	-		-	-	-	
pH (pH Units)	-		-	-	-	
ANC to pH 7 (mol/kg)	-		-	-	-	
ANC to pH 4 (mol/kg)	-		-	-	-	
Eluate Analysis	Conc ⁿ in 10:1 eluate		10:1 conc ⁿ leached	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
	C ₂		A ₂			
	mg/l		mg/kg			
Arsenic	<0.00075		<0.0075	-	-	-
Barium	-		-	-	-	-
Cadmium	<0.00022		<0.0022	-	-	-
Chromium	<0.001		<0.01	-	-	-
Copper	0.0038		0.038	-	-	-
Mercury	<0.00001		<0.0001	-	-	-
Molybdenum	-		-	-	-	-
Nickel	0.0020		0.020	-	-	-
Lead	0.012		0.12	-	-	-
Antimony	-		-	-	-	-
Selenium	<0.001		<0.01	-	-	-
Zinc	0.12		1.2	-	-	-
Chloride	-		-	-	-	-
Fluoride	-		-	-	-	-
Sulphate as SO ₄	-		-	-	-	-
Total Dissolved Solids	-		-	-	-	-
Phenols Monohydric	-		-	-	-	-
Dissolved Organic Carbon	-		-	-	-	-
Leach Test Information						
Date Prepared	20/07/08	-				
pH (pH Units)	6.516	-				
Conductivity (µS/cm)	35.2	-				
Temperature (°C)	21.7	-				
Volume Leachant (Litres)	0.868	-				
Volume of Eluate VE1 (Litres)	-	-				
Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable						

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CEN 10:1 ONE STAGE BATCH TEST

WAC ANALYTICAL RESULTS				REF: CEN12457-2		
Mass Sample taken (kg) =	0.10111	Moisture Content Ratio (%) =	11.86			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	89.40			
Particle Size <4mm =	>95%					
Job Number	200812160			Landfill Waste Acceptance Criteria Limits		
Batch	1					
Sample Number(s)	7					
Sampled Date	16/06/08					
Sample Identity	BGATP04					
Depth (m)	0.1					
Solid Waste Analysis				Inert Waste Landfill	Stable Non- reactive Hazardous Waste in Non- Hazardous Landfill	Hazardous Waste Landfill
Total Organic Carbon (%)	-			-	-	-
Loss on Ignition (%)	-			-	-	-
Sum of BTEX (mg/kg)	-			-	-	-
Sum of 7 PCBs (mg/kg)	-			-	-	-
Mineral Oil (mg/kg)	-			-	-	-
PAH Sum of 17(mg/kg)	-			-	-	-
pH (pH Units)	-			-	-	-
ANC to pH 7 (mol/kg)	-			-	-	-
ANC to pH 4 (mol/kg)	-			-	-	-
Eluate Analysis	Conc ⁿ in 10:1 eluate		10:1 conc ⁿ leached	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
	C ₂		A ₂			
	mg/l		mg/kg			
Arsenic	<0.00075		<0.0075	-	-	-
Barium	-		-	-	-	-
Cadmium	<0.00022		<0.0022	-	-	-
Chromium	0.001		0.01	-	-	-
Copper	0.0040		0.040	-	-	-
Mercury	<0.00001		<0.0001	-	-	-
Molybdenum	-		-	-	-	-
Nickel	0.0016		0.016	-	-	-
Lead	0.0009		0.009	-	-	-
Antimony	-		-	-	-	-
Selenium	<0.001		<0.01	-	-	-
Zinc	0.006		0.06	-	-	-
Chloride	-		-	-	-	-
Fluoride	-		-	-	-	-
Sulphate as SO ₄	-		-	-	-	-
Total Dissolved Solids	-		-	-	-	-
Phenols Monohydric	-		-	-	-	-
Dissolved Organic Carbon	-		-	-	-	-
Leach Test Information						
Date Prepared	20/07/08	-				
pH (pH Units)	7.522	-				
Conductivity (µS/cm)	13.61	-				
Temperature (°C)	22.1	-				
Volume Leachant (Litres)	0.889	-				
Volume of Eluate VE1 (Litres)	-	-				
Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable						

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CEN 10:1 ONE STAGE BATCH TEST

WAC ANALYTICAL RESULTS				REF: CEN12457-2		
Mass Sample taken (kg) =	0.11814	Moisture Content Ratio (%) =	30.83			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	76.44			
Particle Size <4mm =	>95%					
Job Number	200812160		Landfill Waste Acceptance Criteria Limits			
Batch	1					
Sample Number(s)	8					
Sampled Date	16/06/08					
Sample Identity	BGATP04					
Depth (m)	0.5					
Solid Waste Analysis						
Total Organic Carbon (%)	-			-	-	-
Loss on Ignition (%)	-			-	-	-
Sum of BTEX (mg/kg)	-			-	-	-
Sum of 7 PCBs (mg/kg)	-			-	-	-
Mineral Oil (mg/kg)	-			-	-	-
PAH Sum of 17(mg/kg)	-			-	-	-
pH (pH Units)	-			-	-	-
ANC to pH 7 (mol/kg)	-			-	-	-
ANC to pH 4 (mol/kg)	-			-	-	-
Eluate Analysis	Conc ⁿ in 10:1 eluate		10:1 conc ⁿ leached	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
	C ₂		A ₂			
	mg/l		mg/kg			
Arsenic	0.00095		0.0095	-	-	-
Barium	-		-	-	-	-
Cadmium	<0.00022		<0.0022	-	-	-
Chromium	0.002		0.02	-	-	-
Copper	0.0044		0.044	-	-	-
Mercury	<0.00001		<0.0001	-	-	-
Molybdenum	-		-	-	-	-
Nickel	0.0029		0.029	-	-	-
Lead	0.0020		0.020	-	-	-
Antimony	-		-	-	-	-
Selenium	<0.001		<0.01	-	-	-
Zinc	0.010		0.10	-	-	-
Chloride	-		-	-	-	-
Fluoride	-		-	-	-	-
Sulphate as SO ₄	-		-	-	-	-
Total Dissolved Solids	-		-	-	-	-
Phenols Monohydric	-		-	-	-	-
Dissolved Organic Carbon	-		-	-	-	-
Leach Test Information						
Date Prepared	20/07/08	-				
pH (pH Units)	7.513	-				
Conductivity (µS/cm)	14.25	-				
Temperature (°C)	22	-				
Volume Leachant (Litres)	0.872	-				
Volume of Eluate VE1 (Litres)	-	-				
Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable						

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CEN 10:1 ONE STAGE BATCH TEST

WAC ANALYTICAL RESULTS				REF: CEN12457-2		
Mass Sample taken (kg) =	0.12893	Moisture Content Ratio (%) =	42.87			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	69.99			
Particle Size <4mm =	>95%					
Job Number	200812160		Landfill Waste Acceptance Criteria Limits			
Batch	1					
Sample Number(s)	9					
Sampled Date	16/06/08					
Sample Identity	BGAWS01					
Depth (m)	0.1					
Solid Waste Analysis			Inert Waste Landfill	Stable Non- reactive Hazardous Waste in Non- Hazardous Landfill	Hazardous Waste Landfill	
Total Organic Carbon (%)	-		-	-	-	
Loss on Ignition (%)	-		-	-	-	
Sum of BTEX (mg/kg)	-		-	-	-	
Sum of 7 PCBs (mg/kg)	-		-	-	-	
Mineral Oil (mg/kg)	-		-	-	-	
PAH Sum of 17(mg/kg)	-		-	-	-	
pH (pH Units)	-		-	-	-	
ANC to pH 7 (mol/kg)	-		-	-	-	
ANC to pH 4 (mol/kg)	-		-	-	-	
Eluate Analysis	Conc ⁿ in 10:1 eluate		10:1 conc ⁿ leached	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
	C ₂		A ₂			
	mg/l		mg/kg			
Arsenic	<0.00075		<0.0075	-	-	-
Barium	-		-	-	-	-
Cadmium	<0.00022		<0.0022	-	-	-
Chromium	<0.001		<0.01	-	-	-
Copper	<0.0016		<0.016	-	-	-
Mercury	<0.00001		<0.0001	-	-	-
Molybdenum	-		-	-	-	-
Nickel	<0.0015		<0.015	-	-	-
Lead	0.0005		0.005	-	-	-
Antimony	-		-	-	-	-
Selenium	<0.001		<0.01	-	-	-
Zinc	0.005		0.05	-	-	-
Chloride	-		-	-	-	-
Fluoride	-		-	-	-	-
Sulphate as SO ₄	-		-	-	-	-
Total Dissolved Solids	-		-	-	-	-
Phenols Monohydric	-		-	-	-	-
Dissolved Organic Carbon	-		-	-	-	-
Leach Test Information						
Date Prepared	20/07/08	-				
pH (pH Units)	7.530	-				
Conductivity (µS/cm)	35.9	-				
Temperature (°C)	22	-				
Volume Leachant (Litres)	0.861	-				
Volume of Eluate VE1 (Litres)	-	-				
Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable						

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CEN 10:1 ONE STAGE BATCH TEST

WAC ANALYTICAL RESULTS				REF:CEN12457-2		
Mass Sample taken (kg) =	0.12614	Moisture Content Ratio (%) =	40.47			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	71.19			
Particle Size <4mm =	>95%					
Job Number	200812160		Landfill Waste Acceptance Criteria Limits			
Batch	1					
Sample Number(s)	10					
Sampled Date	16/06/08					
Sample Identity	BGAWS01					
Depth (m)	0.5					
Solid Waste Analysis						
Total Organic Carbon (%)	-	-	-	-	-	
Loss on Ignition (%)	-	-	-	-	-	
Sum of BTEX (mg/kg)	-	-	-	-	-	
Sum of 7 PCBs (mg/kg)	-	-	-	-	-	
Mineral Oil (mg/kg)	-	-	-	-	-	
PAH Sum of 17(mg/kg)	-	-	-	-	-	
pH (pH Units)	-	-	-	-	-	
ANC to pH 7 (mol/kg)	-	-	-	-	-	
ANC to pH 4 (mol/kg)	-	-	-	-	-	
Eluate Analysis	Conc ⁿ in 10:1 eluate	10:1 conc ⁿ leached	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg			
	C ₂	A ₂				
	mg/l	mg/kg				
Arsenic	<0.00075	<0.0075	-	-	-	
Barium	-	-	-	-	-	
Cadmium	<0.00022	<0.0022	-	-	-	
Chromium	<0.001	<0.01	-	-	-	
Copper	0.0089	0.089	-	-	-	
Mercury	<0.00001	<0.0001	-	-	-	
Molybdenum	-	-	-	-	-	
Nickel	0.0050	0.050	-	-	-	
Lead	0.031	0.31	-	-	-	
Antimony	-	-	-	-	-	
Selenium	<0.001	<0.01	-	-	-	
Zinc	0.32	3.2	-	-	-	
Chloride	-	-	-	-	-	
Fluoride	-	-	-	-	-	
Sulphate as SO ₄	-	-	-	-	-	
Total Dissolved Solids	-	-	-	-	-	
Phenols Monohydric	-	-	-	-	-	
Dissolved Organic Carbon	-	-	-	-	-	
Leach Test Information						
Date Prepared	20/07/08	-				
pH (pH Units)	6.511	-				
Conductivity (µS/cm)	48.7	-				
Temperature (°C)	21.9	-				
Volume Leachant (Litres)	0.864	-				
Volume of Eluate VE1 (Litres)	-	-				
Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable						

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WAC ANALYTICAL RESULTS				REF: CEN12457-2		
Mass Sample taken (kg) =	0.12205	Moisture Content Ratio (%) =	35.52			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	73.79			
Particle Size <4mm =	>95%					
Job Number	200812160		Landfill Waste Acceptance Criteria Limits			
Batch	1					
Sample Number(s)	11					
Sampled Date	16/06/08					
Sample Identity	BGAWS02					
Depth (m)	0.3					
Solid Waste Analysis						
Total Organic Carbon (%)	-			-	-	-
Loss on Ignition (%)	20			-	-	-
Sum of BTEX (mg/kg)	-			-	-	-
Sum of 7 PCBs (mg/kg)	-			-	-	-
Mineral Oil (mg/kg)	-			-	-	-
PAH Sum of 17(mg/kg)	-			-	-	-
pH (pH Units)	-			-	-	-
ANC to pH 7 (mol/kg)	-			-	-	-
ANC to pH 4 (mol/kg)	-			-	-	-
Eluate Analysis	Conc ⁿ in 10:1 eluate		10:1 conc ⁿ leached	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
	C ₂		A ₂			
	mg/l		mg/kg			
Arsenic	<0.00075		<0.0075	-	-	-
Barium	-		-	-	-	-
Cadmium	<0.00022		<0.0022	-	-	-
Chromium	0.001		0.01	-	-	-
Copper	0.017		0.17	-	-	-
Mercury	<0.00001		<0.0001	-	-	-
Molybdenum	-		-	-	-	-
Nickel	<0.0015		<0.015	-	-	-
Lead	0.0017		0.017	-	-	-
Antimony	-		-	-	-	-
Selenium	<0.001		<0.01	-	-	-
Zinc	0.009		0.09	-	-	-
Chloride	-		-	-	-	-
Fluoride	-		-	-	-	-
Sulphate as SO ₄	-		-	-	-	-
Total Dissolved Solids	-		-	-	-	-
Phenols Monohydric	-		-	-	-	-
Dissolved Organic Carbon	-		-	-	-	-
Leach Test Information						
Date Prepared	20/07/08	-				
pH (pH Units)	7.165	-				
Conductivity (µS/cm)	125	-				
Temperature (°C)	21.9	-				
Volume Leachant (Litres)	0.868	-				
Volume of Eluate VE1 (Litres)	-	-				
Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable						

ALcontrol Laboratories Analytical Services

CEN 10:1 ONE STAGE BATCH TEST

WAC ANALYTICAL RESULTS				REF: CEN12457-2		
Mass Sample taken (kg) =	0.1212	Moisture Content Ratio (%) =	34.98			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	74.08			
Particle Size <4mm =	>95%					
Job Number	200812160		Landfill Waste Acceptance Criteria Limits			
Batch	1					
Sample Number(s)	12					
Sampled Date	16/06/08					
Sample Identity	BGAWS02					
Depth (m)	0.5					
Solid Waste Analysis			Inert Waste Landfill	Stable Non- reactive Hazardous Waste in Non- Hazardous Landfill	Hazardous Waste Landfill	
Total Organic Carbon (%)	-		-	-	-	
Loss on Ignition (%)	-		-	-	-	
Sum of BTEX (mg/kg)	-		-	-	-	
Sum of 7 PCBs (mg/kg)	-		-	-	-	
Mineral Oil (mg/kg)	-		-	-	-	
PAH Sum of 17(mg/kg)	-		-	-	-	
pH (pH Units)	-		-	-	-	
ANC to pH 7 (mol/kg)	-		-	-	-	
ANC to pH 4 (mol/kg)	-		-	-	-	
Eluate Analysis	Conc ⁿ in 10:1 eluate		10:1 conc ⁿ leached	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
	C ₂		A ₂			
	mg/l		mg/kg			
Arsenic	<0.00075		<0.0075	-	-	-
Barium	-		-	-	-	-
Cadmium	<0.00022		<0.0022	-	-	-
Chromium	0.026		0.26	-	-	-
Copper	0.0084		0.084	-	-	-
Mercury	0.00004		0.0004	-	-	-
Molybdenum	-		-	-	-	-
Nickel	0.0015		0.015	-	-	-
Lead	0.0021		0.021	-	-	-
Antimony	-		-	-	-	-
Selenium	<0.001		<0.01	-	-	-
Zinc	<0.005		<0.05	-	-	-
Chloride	-		-	-	-	-
Fluoride	-		-	-	-	-
Sulphate as SO ₄	-		-	-	-	-
Total Dissolved Solids	-		-	-	-	-
Phenols Monohydric	-		-	-	-	-
Dissolved Organic Carbon	-		-	-	-	-
Leach Test Information						
Date Prepared	20/07/08	-				
pH (pH Units)	6.842	-				
Conductivity (µS/cm)	15.57	-				
Temperature (°C)	22	-				
Volume Leachant (Litres)	0.869	-				
Volume of Eluate VE1 (Litres)	-	-				
Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable						

ALcontrol Laboratories Analytical Services

CEN 10:1 ONE STAGE BATCH TEST

WAC ANALYTICAL RESULTS				REF:CEN12457-2		
Mass Sample taken (kg) =	0.10946	Moisture Content Ratio (%) =	21.59			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	82.25			
Particle Size <4mm =	>95%					
Job Number	200812160			Landfill Waste Acceptance Criteria Limits		
Batch	1					
Sample Number(s)	15					
Sampled Date	16/06/08					
Sample Identity	BGAWS04					
Depth (m)	0.6					
Solid Waste Analysis				Inert Waste Landfill	Stable Non- reactive Hazardous Waste in Non- Hazardous Landfill	Hazardous Waste Landfill
Total Organic Carbon (%)	-			-	-	-
Loss on Ignition (%)	-			-	-	-
Sum of BTEX (mg/kg)	-			-	-	-
Sum of 7 PCBs (mg/kg)	-			-	-	-
Mineral Oil (mg/kg)	-			-	-	-
PAH Sum of 17(mg/kg)	-			-	-	-
pH (pH Units)	-			-	-	-
ANC to pH 7 (mol/kg)	-			-	-	-
ANC to pH 4 (mol/kg)	-			-	-	-
Eluate Analysis	Conc ⁿ in 10:1 eluate		10:1 conc ⁿ leached	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
	C ₂		A ₂			
	mg/l		mg/kg			
Arsenic	0.0011		0.011	-	-	-
Barium	-		-	-	-	-
Cadmium	0.00037		0.0037	-	-	-
Chromium	<0.001		<0.01	-	-	-
Copper	0.0022		0.022	-	-	-
Mercury	<0.00001		<0.0001	-	-	-
Molybdenum	-		-	-	-	-
Nickel	0.0093		0.093	-	-	-
Lead	0.0096		0.096	-	-	-
Antimony	-		-	-	-	-
Selenium	0.001		0.01	-	-	-
Zinc	0.12		1.2	-	-	-
Chloride	-		-	-	-	-
Fluoride	-		-	-	-	-
Sulphate as SO ₄	-		-	-	-	-
Total Dissolved Solids	-		-	-	-	-
Phenols Monohydric	-		-	-	-	-
Dissolved Organic Carbon	-		-	-	-	-
Leach Test Information						
Date Prepared	20/07/08		-			
pH (pH Units)	6.640		-			
Conductivity (µS/cm)	323		-			
Temperature (°C)	21.7		-			
Volume Leachant (Litres)	0.881		-			
Volume of Eluate VE1 (Litres)	-		-			
Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable						

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CEN 10:1 ONE STAGE BATCH TEST

WAC ANALYTICAL RESULTS				REF:CEN12457-2		
Mass Sample taken (kg) =	0.12503	Moisture Content Ratio (%) =	39.42			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	71.72			
Particle Size <4mm =	>95%					
Job Number	200812160		Landfill Waste Acceptance Criteria Limits			
Batch	1					
Sample Number(s)	16					
Sampled Date	16/06/08					
Sample Identity	BGAWS05					
Depth (m)	0.3					
Solid Waste Analysis			Inert Waste Landfill	Stable Non- reactive Hazardous Waste in Non- Hazardous Landfill	Hazardous Waste Landfill	
Total Organic Carbon (%)	-		-	-	-	
Loss on Ignition (%)	12		-	-	-	
Sum of BTEX (mg/kg)	-		-	-	-	
Sum of 7 PCBs (mg/kg)	-		-	-	-	
Mineral Oil (mg/kg)	-		-	-	-	
PAH Sum of 17(mg/kg)	-		-	-	-	
pH (pH Units)	-		-	-	-	
ANC to pH 7 (mol/kg)	-		-	-	-	
ANC to pH 4 (mol/kg)	-		-	-	-	
Eluate Analysis	Conc ⁿ in 10:1 eluate		10:1 conc ⁿ leached	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
	C ₂		A ₂			
	mg/l		mg/kg			
Arsenic	<0.00075		<0.0075	-	-	-
Barium	-		-	-	-	-
Cadmium	0.00040		0.0040	-	-	-
Chromium	0.044		0.44	-	-	-
Copper	0.017		0.17	-	-	-
Mercury	<0.00001		<0.0001	-	-	-
Molybdenum	-		-	-	-	-
Nickel	0.0034		0.034	-	-	-
Lead	0.013		0.13	-	-	-
Antimony	-		-	-	-	-
Selenium	<0.001		<0.01	-	-	-
Zinc	0.81		8.1	-	-	-
Chloride	-		-	-	-	-
Fluoride	-		-	-	-	-
Sulphate as SO ₄	-		-	-	-	-
Total Dissolved Solids	-		-	-	-	-
Phenols Monohydric	-		-	-	-	-
Dissolved Organic Carbon	-		-	-	-	-
Leach Test Information						
Date Prepared	20/07/08	-				
pH (pH Units)	7.522	-				
Conductivity (µS/cm)	190.6	-				
Temperature (°C)	21.7	-				
Volume Leachant (Litres)	0.865	-				
Volume of Eluate VE1 (Litres)	-	-				
Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable						

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CEN 10:1 ONE STAGE BATCH TEST

WAC ANALYTICAL RESULTS				REF: CEN12457-2		
Mass Sample taken (kg) =	0.11476	Moisture Content Ratio (%) =	27.58			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	78.38			
Particle Size <4mm =	>95%					
Job Number	200812160		Landfill Waste Acceptance Criteria Limits			
Batch	1					
Sample Number(s)	19					
Sampled Date	16/06/08					
Sample Identity	BGAWS06					
Depth (m)	0.4					
Solid Waste Analysis			Inert Waste Landfill	Stable Non- reactive Hazardous Waste in Non- Hazardous Landfill	Hazardous Waste Landfill	
Total Organic Carbon (%)	-		-	-	-	
Loss on Ignition (%)	-		-	-	-	
Sum of BTEX (mg/kg)	-		-	-	-	
Sum of 7 PCBs (mg/kg)	-		-	-	-	
Mineral Oil (mg/kg)	-		-	-	-	
PAH Sum of 17(mg/kg)	-		-	-	-	
pH (pH Units)	-		-	-	-	
ANC to pH 7 (mol/kg)	-		-	-	-	
ANC to pH 4 (mol/kg)	-		-	-	-	
Eluate Analysis	Conc ⁿ in 10:1 eluate		10:1 conc ⁿ leached	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
	C ₂		A ₂			
	mg/l		mg/kg			
Arsenic	<0.00075		<0.0075	-	-	-
Barium	-		-	-	-	-
Cadmium	<0.00022		<0.0022	-	-	-
Chromium	<0.001		<0.01	-	-	-
Copper	<0.0016		<0.016	-	-	-
Mercury	<0.00001		<0.0001	-	-	-
Molybdenum	-		-	-	-	-
Nickel	0.0017		0.017	-	-	-
Lead	<0.0004		<0.004	-	-	-
Antimony	-		-	-	-	-
Selenium	<0.001		<0.01	-	-	-
Zinc	<0.005		<0.05	-	-	-
Chloride	-		-	-	-	-
Fluoride	-		-	-	-	-
Sulphate as SO ₄	-		-	-	-	-
Total Dissolved Solids	-		-	-	-	-
Phenols Monohydric	-		-	-	-	-
Dissolved Organic Carbon	-		-	-	-	-
Leach Test Information						
Date Prepared	20/07/08	-				
pH (pH Units)	7.093	-				
Conductivity (µS/cm)	67.9	-				
Temperature (°C)	21.9	-				
Volume Leachant (Litres)	0.875	-				
Volume of Eluate VE1 (Litres)	-	-				
Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable						

