

RECONSTITUTED BY LAB

**COIR** 

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## **ANALYSIS REPORT**

Sample Reference:

COIR10010102 WASHED

Sample Matrix: COMPOST

Report Number Laboratory References
Report Number 10142
Sample Number 90847

Date Received 23-APR-2018
Date Reported 14-MAY-2018

The sample submitted was of adequate size to complete all analysis requested.

The sample will be kept as the dry ground sample for at least 1 month.

If we are unable to accurately measure the density of the sample due to its non-homogeneous state, the density will be assumed to be 700 g/l.

#### ANALYTICAL RESULTS

	In the dry matter		As received	
Determinand	Value	Units	Value	Units
E Coli [fresh]			<10	cfu/g
Salmonella spp [fresh]			Negative	
Bulk Density			441	g/l
Oven Dry Matter			17.4	%
Moisture			82.6	%
Organic Matter LOI	89.2	%w/w		
Organic Carbon	51.8	%w/w		
pH			6.0	
Electrical Conductivity			188	uS/cm
Electrical Conductivity			19	mS/m

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#### ANALYTICAL RESULTS

Determinand	In the dry i Value		As received	` '
			Value	Units
Water Soluble Chloride 1:5	2604.9	mg/kg	200.0	mg/l
Water Soluble Nitrate-N 1:5	<1	mg/kg	<1	mg/l
Water Soluble Ammon-N 1:5	319.1	mg/kg	24.5	mg/l
Total Soluble Nitrogen	319.1	mg/kg	24.5	mg/l
Ammonium-N : Nitrate-N Ratio	NA		NA	
Water Soluble Sodium (Na)1:5	765.6	mg/kg	58.8	mg/l
PCB EC7			<2	ug/kg
PAH EPA16			<1	mg/kg
AF Porosity - Rapid Method		Ins	sufficient sample	
Coliforms [fresh]			30	cfu/g

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#### ANALYTICAL RESULTS

	In the dry matter As received (Fres		
Determinand	Value Units	Value	Units
Naphthalene		<0.05	mg/kg
Acenaphthylene		<0.05	mg/kg
Acenaphthene		<0.05	mg/kg
Fluorene		<0.05	mg/kg
Phenanthrene		<0.1	mg/kg
Anthracene		<0.05	mg/kg
Fluoranthene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Benzo[a]anthracene		<0.1	mg/kg
Chrysene		<0.1	mg/kg

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#### ANALYTICAL RESULTS

	In the dry matter	As received (Fresh)	
Determinand	Value Units	Value Units	
Benzo[b]fluoranthene		<0.1 mg/kg	
Benzo[k]fluoranthene		<0.1 mg/kg	
Benzo[a]pyrene		<0.1 mg/kg	
Indeno[1,2,3-cd]pyrene		<0.1 mg/kg	
Dibenzo[a,h]anthracene		<0.1 mg/kg	
Benzo[g,h,i]perylene		<0.1 mg/kg	
PCB-28		<0.5 ug/kg	
PCB-52		<0.5 ug/kg	
PCB-101		<0.5 ug/kg	
PCB-118		<0.5 ug/kg	

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#### ANALYTICAL RESULTS

	In the dry matte	ter As received (Fresh)
Determinand	Value Un	nits Value Units
PCB-153		<0.5 ug/kg
PCB-138		<0.5 ug/kg
PCB-180		<0.5 ug/kg
Total Plastics > 2mm	0.00 %	
Total Glass > 2mm	0.00 %	
Total Metals > 2mm	0.00 %	
Stones > 2mm	0.00 %	

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# **ANALYSIS REPORT**

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COIR1001010101 BUFF

Sample Matrix: COMPOST

Report Number Laboratory References
Sample Number 90848

Date Received 23-APR-2018
Date Reported 14-MAY-2018

The sample submitted was of adequate size to complete all analysis requested.

The sample will be kept as the dry ground sample for at least 1 month.

If we are unable to accurately measure the density of the sample due to its non-homogeneous state, the density will be assumed to be 700 g/l.

### ANALYTICAL RESULTS

Determinand	In the dry i Value		As received Value	(Fresh) Units
E Coli [fresh]			80	cfu/g
Salmonella spp [fresh]			Negative	
Bulk Density			425	g/l
Oven Dry Matter			18.2	%
Moisture			81.8	%
Organic Matter LOI	85.5	%w/w		
Organic Carbon	49.7	%w/w		
рН			6.0	
Electrical Conductivity			56	uS/cm
Electrical Conductivity			6	mS/m

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Date Received 23-APR-2018
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The sample will be kept as the dry ground sample for at least 1 month.

If we are unable to accurately measure the density of the sample due to its non-homogeneous state, the density will be assumed to be 700 g/l.

### ANALYTICAL RESULTS

	In the dry matter		As received	(Fresh)
Determinand	Value	Units	Value	Units
Water Soluble Chloride 1:5	840.3	mg/kg	65.0	mg/l
Water Soluble Nitrate-N 1:5	116.4	mg/kg	9.0	mg/l
Water Soluble Ammon-N 1:5	310.3	mg/kg	24.0	mg/l
Total Soluble Nitrogen	426.7	mg/kg	33.0	mg/l
Ammonium-N : Nitrate-N Ratio	2.7:1		2.7:1	
Water Soluble Sodium (Na)1:5	604.1	mg/kg	46.7	mg/l
PCB EC7			<2	ug/kg
PAH EPA16			5.6	mg/kg
AF Porosity - Rapid Method		Ins	sufficient sample	
Coliforms [fresh]			87000	cfu/g

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### ANALYTICAL RESULTS

	In the dry matter	As received	, ,
Determinand	Value Units	Value	Units
Naphthalene		<0.05	mg/kg
Acenaphthylene		<0.05	mg/kg
Acenaphthene		<0.05	mg/kg
Fluorene		<0.05	mg/kg
Phenanthrene		0.6	mg/kg
Anthracene		<0.05	mg/kg
Fluoranthene		0.8	mg/kg
Pyrene		0.6	mg/kg
Benzo[a]anthracene		0.5	mg/kg
Chrysene		0.5	mg/kg

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### ANALYTICAL RESULTS

Data waisa and	In the dry matter	As received	` '
Determinand	Value Units	Value	Units
Benzo[b]fluoranthene		0.6	mg/kg
Benzo[k]fluoranthene		0.5	mg/kg
Benzo[a]pyrene		0.4	mg/kg
Indeno[1,2,3-cd]pyrene		0.4	mg/kg
Dibenzo[a,h]anthracene		0.4	mg/kg
Benzo[g,h,i]perylene		0.4	mg/kg
PCB-28		<0.5	ug/kg
PCB-52		<0.5	ug/kg
PCB-101		<0.5	ug/kg
PCB-118		<0.5	ug/kg

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#### ANALYTICAL RESULTS

	In the dry matter	As received (Fresh)
Determinand	Value Units	Value Units
PCB-153		<0.5 ug/kg
PCB-138		<0.5 ug/kg
PCB-180		<0.5 ug/kg
Total Plastics > 2mm	0.00 %	
Total Glass > 2mm	0.00 %	
Total Metals > 2mm	0.00 %	
Stones > 2mm	0.00 %	

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If we are unable to accurately measure the density of the sample due to its non-homogeneous state, the density will be assumed to be 700 g/l.

### ANALYTICAL RESULTS

	In the dry	In the dry matter		(Fresh)
Determinand	Value	Units	Value	Units
E Coli [fresh]			<10	cfu/g
Salmonella spp [fresh]			Negative	
Bulk Density			409	g/l
Oven Dry Matter			20.2	%
Moisture			79.8	%
Organic Matter LOI	85.3	%w/w		
Organic Carbon	49.6	%w/w		
рН			6.1	
Electrical Conductivity			59	uS/cm
Electrical Conductivity			6	mS/m

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If we are unable to accurately measure the density of the sample due to its non-homogeneous state, the density will be assumed to be 700 g/l.

### ANALYTICAL RESULTS

	In the dry matter		As received	(Fresh)
Determinand	Value	Units	Value	Units
Water Soluble Chloride 1:5	724.8	mg/kg	60.0	mg/l
Water Soluble Nitrate-N 1:5	96.6	mg/kg	8.0	mg/l
Water Soluble Ammon-N 1:5	289.9	mg/kg	24.0	mg/l
Total Soluble Nitrogen	386.5	mg/kg	32.0	mg/l
Ammonium-N : Nitrate-N Ratio	3.0:1		3.0:1	
Water Soluble Sodium (Na)1:5	594.0	mg/kg	49.2	mg/l
PCB EC7			<2	ug/kg
PAH EPA16			<1	mg/kg
AF Porosity - Rapid Method		Ins	sufficient sample	
Coliforms [fresh]			53000	cfu/g

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### ANALYTICAL RESULTS

	In the dry matter	As received	
Determinand	Value Units	Value	Units
Naphthalene		<0.05	mg/kg
Acenaphthylene		<0.05	mg/kg
Acenaphthene		<0.05	mg/kg
Fluorene		<0.05	mg/kg
Phenanthrene		<0.1	mg/kg
Anthracene		<0.05	mg/kg
Fluoranthene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Benzo[a]anthracene		<0.1	mg/kg
Chrysene		<0.1	mg/kg

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### ANALYTICAL RESULTS

Determinand	In the dry matter	As received	
Determinand	Value Units	Value	Units
Benzo[b]fluoranthene		<0.1	mg/kg
Benzo[k]fluoranthene		<0.1	mg/kg
Benzo[a]pyrene		<0.1	mg/kg
Indeno[1,2,3-cd]pyrene		<0.1	mg/kg
Dibenzo[a,h]anthracene		<0.1	mg/kg
Benzo[g,h,i]perylene		<0.1	mg/kg
PCB-28		<0.5	ug/kg
PCB-52		<0.5	ug/kg
PCB-101		<0.5	ug/kg
PCB-118		<0.5	ug/kg

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#### ANALYTICAL RESULTS

	In the dry matte	r As received (Fresh)
Determinand	Value Unit	s Value Units
PCB-153		<0.5 ug/kg
PCB-138		<0.5 ug/kg
PCB-180		<0.5 ug/kg
Total Plastics > 2mm	0.00 %	
Total Glass > 2mm	0.00 %	
Total Metals > 2mm	0.00 %	
Stones > 2mm	0.00 %	

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