

LABORATORY REPORT



Date: October 7, 2010

Client: CocoAbsorb, LLC
3974 Southe 900 West
Riverdale, UT 84405
Attn: Toby Wilson

"dedicated to providing quality aquatic toxicity testing"

4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650-0546 FAX (805) 650-0756
CA DOHS ELAP Cert. No.: 1775

Laboratory No.: A-10100201-001
Sample ID.: CocoAbsorb saturated with oil

Sample Control: The sample was received by ATL with the chain of custody record attached. Sample is the product of one pound of CocoAbsorb absorbing one quart of 15W40 used oil.

Date Sampled: 09/22/10
Date Received: 10/02/10
Date Tested: 10/03/10 to 10/07/10

Sample Analysis: The following analyses were performed on your sample:
CCR Title 22 Fathead Minnow Hazardous Waste Screen Bioassay (Polisini & Miller 1988).
Attached are the test data generated from the analysis of your sample.

Result Summary:

<u>Sample ID.</u>	<u>Results</u>
CocoAbsorb with oil	PASSED (LC50 > 750 mg/l)

Quality Control: Reviewed and approved by:


Joseph A. LeMay
Laboratory Director

**FATHEAD MINNOW HAZARDOUS WASTE
SCREEN BIOASSAY**



Lab No.: A10100201-001

Client/ID: CoCo Absorb with used oil

TEST SUMMARY

Species: *Pimephales promelas*.
 Fish length (mm): av: 27.1; min: 26; max: 31.
 Fish weight (gm): av: .42; min: .38; max: .51.
 Test chamber volume: 10 liters.
 Temperature: 20 +/- 2°C.
 Aeration: Single bubble through narrow bore tube.
 Number of replicates: 2.
 Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO₃).
 QA/QC Batch No.: RT- 101003.

Source: In-Lab Culture.
 Regulations: CCR Title 22.
 Test Protocol: California F&G/DHS 1988.
 Endpoints: Survival at 96 hrs.
 Test type: Static.
 Feeding: None.
 Number of fish per chamber: 10.
 Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL			24 Hr				48 Hr				72 Hr				96 Hr			
Date/Time:	<u>10-3-10 1130</u>			<u>10-4-10 1100</u>				<u>10-5-10 1100</u>				<u>10-7-10 1200</u>				<u>10-7-10 1030</u>			
Analyst:	<u>Z</u>			<u>me</u>				<u>Rm</u>				<u>Rm</u>				<u>Rm</u>			
	°C	DO	pH	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Control A	21.0	7.3	7.5	21.1	7.7	7.5	0	21.0	8.3	7.3	0	20.9	8.2	7.4	0	20.9	8.2	7.4	0
Control B	20.9	7.9	7.6	21.1	7.5	7.4	0	20.9	8.0	7.3	0	20.8	8.1	7.4	0	20.8	8.0	7.4	0
400 mg/l A	21.0	7.9	7.7	21.0	8.0	7.5	0	21.0	7.6	7.2	0	20.9	7.7	7.2	0	20.9	7.6	7.2	0
400 mg/l B	21.0	7.9	7.7	21.1	7.8	7.4	0	20.9	8.0	7.2	0	20.8	7.9	7.2	0	20.9	8.0	7.2	0
750 mg/l A	20.9	8.2	7.6	21.1	8.1	7.5	0	20.8	7.6	7.1	0	20.8	7.8	7.2	0	20.8	7.6	7.2	0
750 mg/l B	20.8	8.1	7.5	21.1	8.0	7.4	0	20.8	7.9	7.1	0	20.7	8.0	7.2	0	20.8	8.3	7.2	0

Comments: Extraction method: Mechanical shaking .
 None (aqueous solution) .
 Dissolved Oxygen (DO) readings in mg/l O₂.

	CONTROL		HIGH CONCENTRATION		Total Number Dead	
	Alkalinity	Hardness	Alkalinity	Hardness		
Initial	32 mg/l CaCO ₃	44 mg/l CaCO ₃	31 mg/l CaCO ₃	41 mg/l CaCO ₃	Control	0 /20
Final	36 mg/l CaCO ₃	46 mg/l CaCO ₃	32 mg/l CaCO ₃	42 mg/l CaCO ₃	400 mg/l	0 /20
					750 mg/l	0 /20

RESULTS

✓ (one)	Result	Description
✓	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
NA	FAILED	≥40% dead in 750 mg/l (definitive test recommended)
NA	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

CHAIN OF CUSTODY

Client: CocoAbsorb Robert Toby Wilson
 Address: 3974 South 900 West
Riverdale Utah 84405



Project Manager: Toby Wilson
 Phone: 801-686-4856
 Fax: 801-395-0139
 Purchase Order No: _____

4350 Transport St., Unit 107
 Ventura, CA 93003
 (805) 650-0546 Fax (805) 650-0756

Sample ID	Sample Date	Sample Time	Sample Type *	Number of Containers	Testing Requested	Remarks
1 pound CocoAbsorb	9-22-10	-	Coconut Fibre SATURATED in oil		Fish Bowl Bio	

Special Instructions: _____

* L - Liquid, S - Solid, SS - Semi-Solid/sludge, RW - Receiving Water, GW - Ground Water, E - Effluent

CUSTODY TRANSFERS

Relinquished by (signature)	Received by (signature)	Date (mm/dd/yy)	Time (hh:mm)	Seals Intact? (Yes, No, NA)	Temperature Received (°C)
Robert Toby Wilson	US Mail	9-22-10	-	-	-
US Mail	[Signature]	10-21-10	0800	NA	21.4