

ASSOCIATED LABORATORIES

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CLIENT Simpson Environmental Research (12536)
ATTN: Jesse M. Caballos
1360 Wilcox Ave.
Monterey Park, CA 91755

LAB REQUEST 210521

REPORTED 04/18/2008

RECEIVED 04/11/2008

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.

889134

Client Sample Description

Active Hydrolyte Protein Stripper Powder

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 889134

Client: Simpson Environmental Research

Matrix: SOLID

Client Sample ID:

Date Sampled:

Sample Description: Active Hydrolyte Protein Stripper Powder

Time Sampled:

Sampled By:

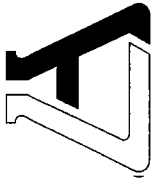
Analyte	Result	DF	DLR	Units	Date/Analyst
600/4-85/013 Fish Bioassay - Adult					
LC50	> 750	1		mg/L	04/12/08 TD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

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Analytical Results Report





TOXICITY BIOASSAY

ASSOCIATED LABORATORIES

REPORT TO:

Simpson Environmental Research
 Jesse M. Caballos
 1360 Wilcox Avenue
 Monterey Park, CA 91755

Lab No. LR210521
 Date Received: 04/11/2008
 Date Reported: 04/18/2008

Bioassay Type
 Static Continuous
 Screening Definitive

Sample description: Active Hydrolyte Protein Stripper Powder

Test Organism: Pimephales Promelas Source: Thomas Fish Farm @ 20 deg.C
 Aquarium Volume: 10 liters Aquarium Depth: 5.0 inches No. Fish/Concentration 10 Sample Conductivity 2530 umhos/cm
 Organism Characteristics - Length (mm) Min 35 mm Max 45 mm Avg 40 mm Weight (gm) Min 0.46 gm Max 0.66 gm Avg 0.55 gm
 Dilution Water - Source Soft Water Hardness - Initial 45 mg/l Final 800 mg/l Alkalinity - Initial 35 mg/l Final 42 mg/l
 Aeration Air Control Hardness Initial: 40 mg/l Final Control Alkalinity Initial: 30 mg/l Final Control conductivity 200 umhos/cm

Bioassay Conditions	Date Time	Control		750 mg/L		500 mg/L		250 mg/L		DUP 750 mg/L		DUP 500 mg/L		DUP 250 mg/L	
		NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Organisms Surviving	04/12/2008	10	100	10	100	10	100	10	100	10	100	10	100	10	100
	04/13/2008	10	100	9	90	10	100	10	100	10	100	10	100	10	100
	04/14/2008	10	100	8	80	10	100	10	100	9	90	10	100	10	100
	04/15/2008	10	100	8	80	10	100	10	100	9	90	10	100	10	100
	04/16/2008	10	100	8	80	10	100	10	100	9	90	10	100	10	100
Dissolved Oxygen mg/l	10:40	6.6		6.4		6.4		6.4		6.4		6.4		6.4	
	11:00	6.9		7.2		7.0		7.3		7.2		7.0		7.3	
	14:10	7.3		7.0		7.2		7.4		7.0		7.2		7.4	
	15:30	7.1		7.4		7.3		7.0		7.4		7.3		7.0	
pH	16:20	7.5		7.3		7.1		7.2		7.3		7.1		7.2	
	Start	7.2	20.2 °C	7.9	20.2 °C	7.7	20.2 °C	7.6	20.2 °C	7.9	20.2 °C	7.7	20.2 °C	7.6	20.2 °C
	24 Hr.	7.3	20.0 °C	7.8	20.0 °C	7.6	20.0 °C	7.5	20.0 °C	7.8	20.0 °C	7.6	20.0 °C	7.5	20.0 °C
	48 Hr.	7.3	19.8 °C	7.8	19.8 °C	7.6	19.8 °C	7.5	19.8 °C	7.8	19.8 °C	7.6	19.8 °C	7.5	19.8 °C
Temp	72 Hr.	7.4	20.0 °C	7.7	20.0 °C	7.5	20.0 °C	7.4	20.0 °C	7.7	20.0 °C	7.5	20.0 °C	7.4	20.0 °C
	96 Hr.	7.5	20.2 °C	7.7	20.2 °C	7.5	20.2 °C	7.4	20.2 °C	7.7	20.2 °C	7.5	20.2 °C	7.4	20.2 °C

Results-Lc 50 = > 750 mg/l Method of Calculations N/A
 > 750 mg/l 95% Confidence Limits N/A

Observation/Remarks: An LC50 > 500mg/l = Non Hazardous, Method - Policini & Miller 1985
 An LC50 < 500mg/l = Hazardous
 Per California Administrative Code, Title 22, 66696

LC50 Method

 Laboratory Supervisor



