



# Pacific Coast Analytical Services

15751 Roxford Street Unit F Sylmar CA 91342 Tel: 818-364-7470 Fax: 818-364-7472  
[www.pacificcoastanalytical.com](http://www.pacificcoastanalytical.com) DOHS #2667 LACSD#10255 FDA Audited A2LA Member

## Analytical Report

<b>Client:</b>	RL Food Testing Laboratory 3976 Ceanothus Place, Ste. B Calabasas, CA 91302	<b>Project #:</b>	[none]
<b>Attention:</b>	Roger Legg	<b>Work Order #:</b>	12K0094
<b>Phone:</b>	(949) 309-0105	<b>Received:</b>	11/13/2012
<b>FAX:</b>	-	<b>Reported:</b>	11/20/2012
<b>Client Project Info:</b>	CCMP 1776 Nannochloropsis salina		

Dear Roger :

The results in this report apply to samples analyzed in accordance with the Chain of Custody document. Pacific Coast Analytical Services certifies that the results meet all requirements for laboratory performance unless noted in the case narrative or in the report with data qualifiers.

This analytical report is confidential and it is only intended for use by Pacific Coast Analytical Services and its client. The Chain of Custody form is an integral part of it. The report can only be reproduced in full with all its attachments and the authorization of Pacific Coast Analytical Services.

Thank you for the opportunity to service your analytical needs. Please feel free to call with any questions.

Reviewed by: \_\_\_\_\_

Claudio Cardelli, Ph.D. Lab Director

/Enclosure: COC



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## Analytical Report

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<b>Client Project Info:</b>	CCMP 1776 Nannochloropsis salina	<b>Work Order #:</b>	12K0094
		<b>Received:</b>	11/13/2012
		<b>Reported:</b>	11/20/2012

**Client Sample ID #:** Grown in 600L raceway & harv. using centrifug PCAS Sample ID #: 12K0094-01 (Food)

Analyte	Result	Min. Det. Limit	Reporting Limit	Units	Analysis Completed	Method	Qualifiers
Aerobic Plate Count, APC	150000000	10	10	CFU/g	11/15/12	FDA-BAM,8th ed,Ch 3	
Coliforms	30	10	10	CFU/g	11/14/12	AOAC 991.14	
Escherichia coli	ND	10	10	CFU/g	11/15/12	AOAC 991.14	
Staph aureus (coag. pos.)	ND	10	10	CFU/g	11/15/12	FDA-BAM,8th ed, Ch 12	
Yeast	1400000	10	10	CFU/g	11/18/12	FDA-BAM,8th ed,Ch18	
Mold	1000	10	10	CFU/g	11/18/12	FDA-BAM,8th ed,Ch18	

**Client Sample ID #:** Grown in 600L raceway & harv. using origin oil PCAS Sample ID #: 12K0094-02 (Food)

Analyte	Result	Min. Det. Limit	Reporting Limit	Units	Analysis Completed	Method	Qualifiers
Aerobic Plate Count, APC	2500000	10	10	CFU/g	11/15/12	FDA-BAM,8th ed,Ch 3	
Coliforms	140	10	10	CFU/g	11/14/12	AOAC 991.14	
Escherichia coli	ND	10	10	CFU/g	11/15/12	AOAC 991.14	
Staph aureus (coag. pos.)	ND	10	10	CFU/g	11/15/12	FDA-BAM,8th ed, Ch 12	
Yeast	3000	10	10	CFU/g	11/18/12	FDA-BAM,8th ed,Ch18	
Mold	3000	10	10	CFU/g	11/18/12	FDA-BAM,8th ed,Ch18	

**Client Sample ID #:** Grown in outdoor photobioreactor & harv. usin PCAS Sample ID #: 12K0094-03 (Food)

Analyte	Result	Min. Det. Limit	Reporting Limit	Units	Analysis Completed	Method	Qualifiers
Aerobic Plate Count, APC	140000000	10	10	CFU/g	11/15/12	FDA-BAM,8th ed,Ch 3	
Coliforms	ND	10	10	CFU/g	11/14/12	AOAC 991.14	
Escherichia coli	ND	10	10	CFU/g	11/15/12	AOAC 991.14	
Staph aureus (coag. pos.)	ND	10	10	CFU/g	11/15/12	FDA-BAM,8th ed, Ch 12	
Yeast	12000	10	10	CFU/g	11/18/12	FDA-BAM,8th ed,Ch18	



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## Analytical Report

<b>Client:</b>	RL Food Testing Laboratory 3976 Ceanothus Place, Ste. B Calabasas CA, 91302	<b>Project # :</b>	[none]
<b>Client Project Info:</b>	CCMP 1776 Nannochloropsis salina	<b>Work Order #:</b>	12K0094
		<b>Received:</b>	11/13/2012
		<b>Reported:</b>	11/20/2012

**Client Sample ID #:** Grown in outdoor photobioreactor & harv. usin PCAS Sample ID #: 12K0094-03 (Food)

Analyte	Result	Min. Det. Limit	Reporting Limit	Units	Analysis Completed	Method	Qualifiers
Mold	40000	10	10	CFU/g	11/18/12	FDA-BAM,8th ed,Ch18	

**Client Sample ID #:** Grown in outdoor photobioreactor & harv. usin PCAS Sample ID #: 12K0094-04 (Food)

Analyte	Result	Min. Det. Limit	Reporting Limit	Units	Analysis Completed	Method	Qualifiers
Aerobic Plate Count, APC	1500000	10	10	CFU/g	11/15/12	FDA-BAM,8th ed,Ch 3	
Coliforms	ND	10	10	CFU/g	11/14/12	AOAC 991.14	
Escherichia coli	ND	10	10	CFU/g	11/15/12	AOAC 991.14	
Staph aureus (coag. pos.)	ND	10	10	CFU/g	11/15/12	FDA-BAM,8th ed, Ch 12	
Yeast	26000	10	10	CFU/g	11/18/12	FDA-BAM,8th ed,Ch18	
Mold	5000	10	10	CFU/g	11/18/12	FDA-BAM,8th ed,Ch18	

NOTE: ND = Non-Detected



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# CHAIN OF CUSTODY

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Company: RL Food Testing Lab		Bill to:		Turn Around Time: ( ) RUSH (call for upcharge & time) ( <input checked="" type="checkbox"/> ) Normal (10-15 working days)		Work Order: 12K00044	
Address: 3976 Ceanothus Place, #B Calabasas, CA 91302		Address:		Method of Transport: ( ) Client ( ) PCAS ( <input checked="" type="checkbox"/> ) Other <u>Fedex</u>		Condition of Sample: ( <input checked="" type="checkbox"/> ) Ambient ( ) Cold _____ °C ( ) Frozen:	
Phone: 949-309-0105 Fax:		P.O. #: Prepaid ( ):		Special Instructions: *There is a total of 8-50ml, 4 sets with duplicate samples for each set.		Sample Condition ( <input checked="" type="checkbox"/> ) Sealed ( ) Accepted ( ) Chilled ( ) Preserved	
Contact Name: Roger Legg		Project Name: CCMP 1776 Nannochloropsis salina		Analysis Requested: APC, Yeast & Mold, Total Coliforms, E.coli & Staph Coagulase		Expected Level/Method	
E-mail: roger@rlfoodtestinglaboratory.com		Project #:		APC, Yeast & Mold, Total Coliforms, E.coli & Staph Coagulase			
Sampled by: Roger Legg		Signature:		APC, Yeast & Mold, Total Coliforms, E.coli & Staph Coagulase			
LAB ID	DATE	TIME	MATRIX	SAMPLE DESCRIPTION	CONT.	ANALYSIS REQUESTED	EXPECTED LEVEL/METHOD
12K00044 -1	N/A	N/A	Food	Grown in 600L raceway & harvested using centrifuge 11/5/12	2*	APC, Yeast & Mold, Total Coliforms, E.coli & Staph Coagulase	
-2				Grown in 600L raceway & harvested using origin oil appliance 11/5/12	2*	APC, Yeast & Mold, Total Coliforms, E.coli & Staph Coagulase	
-3				Grown in outdoor photobioreactor & harvested using centrifuge 11/6/12	2*	APC, Yeast & Mold, Total Coliforms, E.coli & Staph Coagulase	
-4				Grown in outdoor photobioreactor & harvested using origin oil appliance 11/6/12	2*	APC, Yeast & Mold, Total Coliforms, E.coli & Staph Coagulase	
Relinquished by: Client		Date: N/A		Received by: Fedex		Abbreviation: CONT Container DW Drinking Water F Food	
Relinquished by: Fedex		Date: 11/13/12		Time: 15:30			
Relinquished by:		Date:		Time:			