



chemical solutions Ltd.
trace elemental analysis

Analytical Report

February 7, 2017

Eugenia Vargas
Cypress Systems, Inc.
40365 Brickyard Drive
Suite 101
Madera, CA 93636

Page 1 of 1
WO Number: W17A0968

Client: Cypress Systems, Inc.
Client #: C9773
Sample Type: Powder
Collector: Client

Customer PO:
Date Received: 1/31/2017
Date Completed: 02/06/2017
Discard Date: 02/21/2017

CSL# 17A3447 High Selenium Yeast 1200 - Lot#: SE-114

Parameter	Result	PQL	Method	Date	Analyst
Selenium	1,300 ug/g	0.5	ICP-MS	02/04/17	HG
Total Solids	96.9 %	0.005	USP <731>	02/01/17	KEW

CSL# 17A3447

Parameter	Result	Serving Size	Unit Weight	Specification
Selenium	1,300 ppm	NA	NA	>1200 ppm
Total Solids	96.9 %	NA	NA	NA

Respectfully Submitted,
Chemical Solutions, Ltd.

Mercedes J. Naugle

Mercedes Naugle
Reviewed and Approved
Feb 7 2017 01:34 PM

QA Representative

cosign

Notes:

CONFIDENTIAL REPORT. This report is confidential and is for the sole use of the addressee.

This report can only be reproduced in full.

The units for the PQL are the same as those shown for the result.

This sample was dried for 16 hours at 105°C, digested according to CSL WI-046 and analyzed via ICP MS.



CERTIFICATE OF ANALYSIS

SILLIKER, Inc.
Northern California Laboratory
5262 Pirrone Court, Salida, CA 95368
Tel. 209/ 549 7508 Fax. 209/ 545 0245

Table with COA No: CCA-39781036-0, Supersedes: None, COA Date: 2/6/17, Page 1 of 1

COPY TO:
Ms. Eugenia F. Vargas
Quality Assurance Manger
Cypress Systems, Inc.
40365 Brickyard Drive, Suite 101
Madera, CA 93636-9520

ORIGINAL TO:
Mr. Roland Geiger
Customer Relationship Manager
Cypress Systems, Inc.
40365 Brickyard Drive, Suite 101
Madera, CA 93636-9520

Table with Received From: Madera, CA, Received Date: 1/31/17, P.O.# / ID: N/A, Location of Test: (except where noted) Salida, CA

Analytical Results

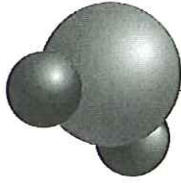
Desc. 1: Selenium Yeast 1200 Laboratory ID: 366592008
Desc. 2: SE-114 Condition Rec'd: NORMAL
Temp Rec'd (°C): 18

Table with columns: Analyte, Result, Units, Method Reference, Test Date, Loc. Rows include Ash, Moisture - Vacuum Oven, Aerobic Plate Count, Coliforms - 3 tube MPN, E. coli - Enrichment, Pseudomonas aeruginosa - Enrich., Salmonella - ELFA, Staphylococci Enrich. - coag. positive, Yeast and Mold, Yeast, Mold.

COA Comment: If Coliforms tested, the result is Negative when based on a detection level of < 0.3 MPN/g.

Signature of Mike Erickson
Mike Erickson Laboratory Director

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Cypress Systems, Inc.
40365 Brickyard Drive
Suite 101
Madera, CA 93636

Page 1 of 1
WO Number: W17A0968

Client: Cypress Systems, Inc.
Client #: C9773
Sample Type: Powder
Collector: Client

Customer PO:
Date Received: 1/31/2017
Date Completed: 02/06/2017
Discard Date: 02/21/2017

CSL# 17A3447HM High Selenium Yeast 1200 - Lot#: SE-114

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.5 ug/g	0.5	ICP MS/KED	02/06/17	RBP
Cadmium	<0.25 ug/g	0.25	ICP MS	02/03/17	EM
Lead	0.086 ug/g	0.05	ICP MS	02/03/17	HD
Mercury	<0.1 ug/g	0.1	ICP MS	02/03/17	EM
Total Solids	96.9 %	0.005	USP <731>	02/01/17	KEW

CSL# 17A3447HM

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	<0.5 ppm	NA	NA	<1 ppm
Cadmium	<0.25 ppm	NA	NA	<1 ppm
Lead	0.086 ppm	NA	NA	<1 ppm
Mercury	<0.1 ppm	NA	NA	<0.1 ppm
Total Solids	96.9 %	NA	NA	NA

Respectfully Submitted,
Chemical Solutions, Ltd.

Mercedes Naugle
Reviewed and Approved
Feb 7 2017 03:32 PM

QA Representative

cosign

Notes:

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The units for the PQL are the same as those shown for the result.
This sample was dried for 16 hours at 105°C, digested according to CSL WI-046 and analyzed via ICP MS.



CERTIFICATE OF ANALYSIS

SILLIKER, Inc.
Illinois Laboratory

3600 Eagle Nest Drive, North Building, Crete, IL 60417
Tel. 877-777-6375 Fax. 312-729-1320

COA No:	CHG-39781368-0
Supersedes:	None
COA Date	2/6/17
Page 1 of 1	

COPY TO:

Ms. Eugenia F. Vargas
Quality Assurance Manger
Cypress Systems, Inc.
40365 Brickyard Drive, Suite 101
Madera, CA 93636-9520

ORIGINAL TO:

Mr. Roland Geiger
Customer Relationship Manager
Cypress Systems, Inc.
40365 Brickyard Drive, Suite 101
Madera, CA 93636-9520

Received From:	Madera, CA
Received Date:	1/31/17
P.O.# / ID:	NA
Location of Test: (except where noted) Crete, IL	

Analytical Results

Desc. 1:	SE-114	Laboratory ID:	366611197
Desc. 2:	High Selenium Yeast 1200	Condition Rec'd:	NORMAL
		Temp Rec'd (°C):	21

Analyte	Result	Units	Method Reference	Test Date	Loc.
Bulk Density			Internal method	2/6/17	
Bulk Density	0.634	g/mL			
Comment	Packed				
Granulation			ASTA 10.0, Rev 10/04	2/6/17	
Sieve Size #1	40	-			
Sieve Size #2	50	-			
Sieve Size #3	60	-			
Sieve Size #4	70	-			
Sieve Size #5	80	-			
Sieve Size #6	100	-			
Retained on Sieve #1	0.00	% (w/w)			
Retained on Sieve #2	0.10	% (w/w)			
Retained on Sieve #3	0.40	% (w/w)			
Retained on Sieve #4	0.50	% (w/w)			
Retained on Sieve #5	0.80	% (w/w)			
Retained on Sieve #6	0.40	% (w/w)			
Pass Through Sieve #1	100.00	% (w/w)			
Pass Through Sieve #2	99.90	% (w/w)			
Pass Through Sieve #3	99.50	% (w/w)			
Pass Through Sieve #4	99.00	% (w/w)			
Pass Through Sieve #5	98.20	% (w/w)			
Pass Through Sieve #6	97.80	% (w/w)			
Time	17.0	min			

COA Comment: If Coliforms tested, the result is Negative when based on a detection level of < 0.3 MPN/g.

Michael Lee

Laboratory Director

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Except as otherwise stated, Mérieux NutriSciences Terms and Conditions for Testing Services apply.

CERTIFICATE OF ANALYSIS

CYPRESS SYSTEMS, INC.

40365 Brickyard Drive
Suite 101, Madera, CA 93636
P: 559-229-7850 F: 559-225-9007
Product: SelenoExcell High Selenium Yeast 1200
Lot: SE-114

PARAMETER	RESULTS	TEST METHOD
Free Selenium (ppm)	Not detected	YTM 1.1.19 Gerhard Schrauzer MBRT
Moisture (%)	3.49	AOAC 950.46B mod.
Protein (%)	50.55	AOAC 997.09
Phosphates (%)	2.55	Hach Digesdahl
Ash (%)	6.0	Genesis Nutritional Database
Particle size (60&100 mesh)	100 100	Rotap Rotap
Manufacturing date	01/20/2017	n/a

No irradiation or ETO used

These results are reported by:

Signature: 
 Print Name: Michelle Brodie
 Title: *Regional Yeast Technologist*
 Date: *02/08/2017*

AB Mauri (A Division of AB Mauri Food Inc.)
4240 Duncan Avenue, Suite 150
St. Louis, MO 63110
www.abmna.com
Client Services: 800-772-3971

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