



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-40919473-0, Supersedes: None, COA Date: 2/15/18, Page 1 of 1

COPY TO:
Ms. Lisa Martin
Title: Director of Internal Operations
Cypress Systems Incorporated
40365 Brickyard Drive
Madera, CA 93636

ORIGINAL TO:
Mr. Roland Geiger
Customer Relationship Manager
Cypress Systems Incorporated
40365 Brickyard Drive
Madera, CA 93636

Table with Received From: Madera, CA, Received Date: 2/9/18, P.O.# / ID: N/A, Location of Test: (except where noted) Salida, CA

Analytical Results

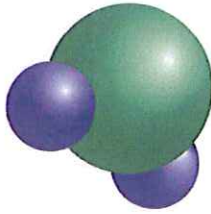
Desc. 1: NF1NY521 Laboratory ID: 375043984
Desc. 2: Inactive Dry Yeast Condition Rec'd: NORMAL
Temp Rec'd (°C): 11

Table with columns: Analyte, Result, Units, Method Reference, Test Date, Loc.
Rows include: 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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chemical solutions ltd.
trace elemental analysis

Analytical Report

February 16, 2018

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

Page 1 of 1
WO Number: W18B0367

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

Customer PO:
Date Received: 2/9/2018
Date Completed: 02/16/2018
Discard Date: 03/02/2018

CSL#: 18B1639 Inactive Dry Yeast - Lot#: NF1NY521

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.50 ug/g	0.50	ICP MS	02/12/18	HG
Cadmium	<0.25 ug/g	0.25	ICP MS	02/12/18	HG
Lead	<0.050 ug/g	0.050	ICP MS	02/12/18	ALC
Mercury	<0.10 ug/g	0.10	ICP MS	02/12/18	HG

CSL#: 18B1639

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	<1 ppm	NA	NA	<1 ppm
Cadmium	<1 ppm	NA	NA	<1 ppm
Lead	<1 ppm	NA	NA	<1 ppm
Mercury	<0.1 ppm	NA	NA	<0.1 ppm

Respectfully Submitted,
Chemical Solutions, Ltd.

Mercedes Naugle
Reviewed and Approved
Feb 16 2018 01:18 PM

QA Representative

cosign

Notes:

CONFIDENTIAL REPORT. This report is confidential and is for the sole use of the addressee.
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The units for the PQL are the same as those shown for the result.

931 north seventh st harrisburg, pa 17102 phone 717/697-7536 fax 717/697-4800

www.chemicalsolutionsltd.com



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-40913112-0
Supersedes:	None
COA Date	2/13/18
Page 1 of 1	

COPY TO:
Ms. Lisa Martin
Title: Director of Internal Operations
Cypress Systems Incorporated
40365 Brickyard Drive
Madera, CA 93636

ORIGINAL TO:
Mr. Roland Geiger
Customer Relationship Manager
Cypress Systems Incorporated
40365 Brickyard Drive
Madera, CA 93636

Received From:	Madera, CA
Received Date:	2/12/18

Location of Test: (except where noted)	Crete, IL
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Analytical Results

Desc. 1:	NF1NY521	Laboratory ID:	375128632
Desc. 2:	Inactive Dry Yeast	Condition Rec'd:	NORMAL
		Temp Rec'd (°C):	17

Analyte	Result	Units	Method Reference	Test Date	Loc.
Bulk Density			Internal method	2/13/18	
Bulk Density	0.65	g/mL			
Comment	Packed				
Granulation			ASTA 10.0, Rev 10/04	2/13/18	
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	0.20	% (w/w)			
Retained on Sieve #2	0.00	% (w/w)			
Retained on Sieve #3	0.00	% (w/w)			
Retained on Sieve #4	0.20	% (w/w)			
Retained on Sieve #5	0.39	% (w/w)			
Retained on Sieve #6	0.39	% (w/w)			
Pass Through Sieve #1	99.80	% (w/w)			
Pass Through Sieve #2	99.80	% (w/w)			
Pass Through Sieve #3	99.80	% (w/w)			
Pass Through Sieve #4	99.61	% (w/w)			
Pass Through Sieve #5	99.22	% (w/w)			
Pass Through Sieve #6	98.83	% (w/w)			
Time	14.0	min			

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


 Jeff Wilson
 Division Vice President

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CERTIFICATE OF ANALYSIS

CYPRESS SYSTEMS, INC.

40365 Brickyard Drive, Suite 101, Madera, CA 93636

P: 559-229-7850 F: 559-225-9007

Product: Nutritional Yeast – Inactive Dry

Lot: NF1NY521

PARAMETER	RESULTS	TEST METHOD
Moisture (%)	4.49	AOAC 950.46B mod
Protein (%)	49.81	AOAC 988.05
Phosphates (%)	2.7	Hach Digesdahl
Ash (%)	6.0	Genesis Nutritional Database
Color	Beige/Tan	Visual
Extraneous material	Absent	HACCP
Particle size (60&100 mesh)	100 100	Rotap Rotap

MICROBIOLOGICAL ASSAY

DETERMINATION	RESULTS	TEST METHOD
Total coliforms (MPN/g)	<3	AOAC 966.24
<i>E.coli</i> (MPN/g)	<3	AOAC 966.24
<i>Salmonella</i> (375 g)	Negative	AOAC 2004.03 FDA BAM
Total plate count (CFU/g)	100	AOAC 990.12
Yeast and Mold (CFU/g)	<10	AOAC 997.02

Manufacturing date	02/01/2018
Date of expiration	02/01/2023

No irradiation or ETO used

These results are reported by:



Signature: _____

Print Name: **Michelle Brodie**

Title: **Regional Yeast Technologist**

Date: **02/16/2018**

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

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