



chemical solutions ltd.

trace elemental analysis

Analytical Report

September 09, 2016

Aaron Henke
Verdure Sciences
1250 East Conner Street
Suite 201
Noblesville, IN 46060

Page 1 of 1

WO Number:

W1610135

Client: Verdure Sciences
Client #: G3644
Sample Type: Powder
Collector: Client

Customer PO:

Date Received:

9/6/2016

Date Completed:

09/08/2016

Discard Date:

09/23/2016

CSL#: 16I0368

Longvida SD - Lot#: LCL10EP1603H22(PS)

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.5 ug/g	0.5	ICP MS	09/08/16	RBP
Cadmium	<0.25 ug/g	0.25	ICP MS	09/07/16	KTK
Lead	<0.05 ug/g	0.05	ICP MS	09/07/16	RBP
Mercury	<0.1 ug/g	0.1	ICP MS	09/07/16	KTK

Respectfully Submitted,
Chemical Solutions, Ltd.

Meredith S. Zyle 9/12/16

QA Representative

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.

MiChem Analytical Laboratory Inc.

2147 Rulon White Blvd. #108 • Ogden, Utah 84404 • Ph: (801) 737-2600 • Fax: (801) 737-0229
Email: michemanalytical@yahoo.com

These results assigned only to the submitted sample;
not to the material which it was taken.

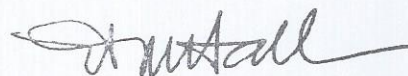
Verdure Sciences
Attn: Gracie Deery
1250 E. Conner Street
Noblesville, IN 46060-2900

Sample Number: 23370-01
Date Reported: 12/6/2016
Date Received: 12/1/16 13:35
Description: Longvida SD Lot #:
LCL10EP1603H22 (DS)
In House ID: VS1
PO Number:

Requested Analysis

Test	Method	Result	Units
Verdure Sciences TPC, Coliform, E.coli, Staph A., Enterobacteriaceae, Salmonella, Yeast, Mold			
TPC	USP 32 <2021>	<100	CFU/gm
COLIFORM COUNT	USP 32 <2021>	<10	CFU/gm
E. COLI	USP <2022>	Negative	10/gm
STAPHYLOCOCCUS AUREUS	USP 32 <2021>	<10	CFU/gm
ENTEROBACTERIACEAE COUNT	USP 32 <2021>	<10	CFU/gm
SALMONELLA	USP <2022>	Negative	25/gm
YEAST COUNT	USP 32 <2021>	<10	CFU/gm
MOLD COUNT	USP 32 <2021>	<10	CFU/gm

Approved By:



Venus Hall, Lab Manager

September 16, 2016

Bhaumik Darji
 Verdure Sciences
 1250 East Conner Street
 Noblesville, Indiana 46060

CERTIFICATE OF ANALYSIS

AR-16-KK-013655-01
 Batch #: EUCAPE-00084020

Sample Identification:

Sample #: 740-2016-00013379
 Description: Longvida® SD, Powder, Lot #LCL10EP1603H22(PS)
 Condition: Orange powder in a twist tie bag received at room temperature.
 Date Received: September 06, 2016

K0203: Curcuminoids in Turmeric (HPLC)

Method Reference: Tønnesen et. al. (J. Chromatography. 259 (1983)367

Completed: 09/16/2016

Theoretical Level

Result

	Result	Theoretical Level
Bisdemethoxycurcumin	0.381 % (w/w)	
Desmethoxycurcumin	3.12 % (w/w)	
Curcumin	18.7 % (w/w)	
<i>[Total Curcuminoid results are quantified using a Sigma curcumin reference material.]</i>		
Total Curcuminoids	22.2 % (w/w)	23.00 % (w/w)

Results pertain only to the items tested.

All results are reported on an as-is basis unless otherwise stated.

Estimation of uncertainty of measurement is available upon request.

Results shall not be reproduced except in full without written permission from Eurofins Scientific, Inc.

 Indicates results of tests performed in accordance with ISO/IEC 17025:2005 Chemical Scope of Accreditation.



TESTING CERT #2942.01



Kent Rader
 BU Manager