

chemical solutions ltd.[®]

trace elemental analysis

Analytical Report

July 18, 2018

Yexun Wang
Verdure Sciences
1250 East Conner Street
Suite 201
Noblesville, IN 46060

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

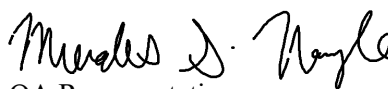
Page 1 of 1
WO Number: W18G0431

Customer PO:
Date Received: 7/13/2018
Date Completed: 07/18/2018
Discard Date: 08/01/2018

CSL#: 18G1384 Longvida SD - Lot#: LCL10EP1803G05(PS)

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.50 ug/g	0.50	ICP MS	07/17/18	JTP
Cadmium	<0.25 ug/g	0.25	ICP MS	07/17/18	JTP
Lead	<0.050 ug/g	0.050	ICP MS	07/17/18	JTG
Mercury	<0.10 ug/g	0.10	ICP MS	07/17/18	JTP

Respectfully Submitted,
Chemical Solutions, Ltd.


QA Representative

Mercedes Naugle
Reviewed and Approved
Jul 18 2018 01:45 PM

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.

July 23, 2018


Yexun Wang
 Verdure Sciences
 1250 East Conner St.
 Noblesville, IN 46060


CERTIFICATE OF ANALYSIS

AR-18-KK-010836-01
 Batch #: EUCAPE-00103772

Sample Identification:

Sample #: 740-2018-07130036
 Description: LONGVIDA® SD, Powder, Lot #LCL10EP1803G05(PS)
 Condition: Acceptable
 Date Received: July 13, 2018

 K0203: Curcuminoids in Turmeric (HPLC)		
Method Reference: Tønnesen et. al. (J. Chromatography. 259 (1983)367		Theoretical Level
Completed: 07/23/2018	Result	
Bisdemethoxycurcumin	0.776 % (w/w)	
Desmethoxycurcumin	5.05 % (w/w)	
Curcumin	23.5 % (w/w)	
<i>[Total Curcuminoid results are quantified using a Sigma curcumin reference material.]</i>		
Total Curcuminoids	29.3 % (w/w)	NLT 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.



Matthew Winterer

 Matthew Winterer
 Scientist Group Leader

MiChem Analytical Laboratory Inc.

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Email: michemanalytical@yahoo.com

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

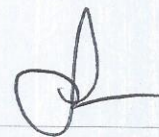
Verdure Sciences
Attn: Gracie Deery
1250 E. Conner Street
Noblesville, IN 46060-2900

Sample Number: 27233-01
Date Reported: 8/29/2018
Date Received: 8/24/18 12:42
Description: Longvida SD Lot #:
LCL10EP1803G05 (CS)
In House ID: VS41
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 <2022>	Negative	10/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:



Aubriana Loveland Lab. Tech