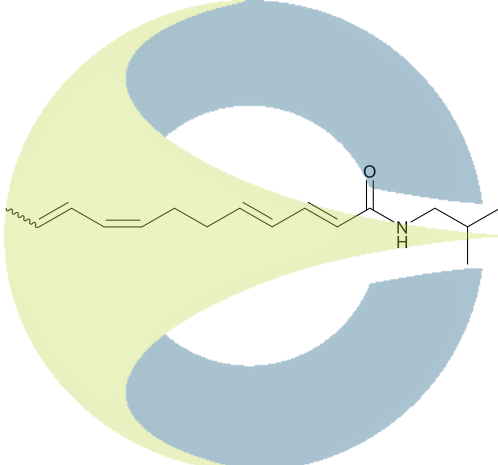


Certificate of Analysis

For Laboratory Use Only

PRODUCT NAME	Dodeca-2(E)-4(E)-8(Z)-10(E/Z)-Tetraenoic Acid Isobutylamide	<div style="text-align: center;"> Structure  </div>
PART NUMBER	00004957	
STANDARD TYPE	Analytical Standard (AS)	
LOT NUMBER	00004957-201	
REPORT NUMBER	CDXA-RSS-8160-01	
SAMPLE NUMBER	CDXP-18-00706	
DATE OF SAMPLE	07/05/2018	
DATE OF RE-EVALUATION	06/10/2022	
DATE OF REPORT	07/21/2022	

CHEMICAL NAMES	(2E,4E,8Z,10E/Z)-N-(2-Methylpropyl)-2,4,8,10-dodecatetraenamide
CHEMICAL FORMULA	C ₁₆ H ₂₅ NO
MOLECULAR WEIGHT (MW)	247.38
CHEMICAL FAMILY	Isobutylamides
CAS NUMBER	[866602-52-0]
EC#(EINECS)	NA
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	≥ 75%	Peak A: 29.6% Peak B: 62.4% Total: 92.1%
Mass Spectrum	99.1-04-3.0-000126	Conforms	Conforms
Appearance	NA	NA	Off white powder

STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	06/2027 under the above conditions.

This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.

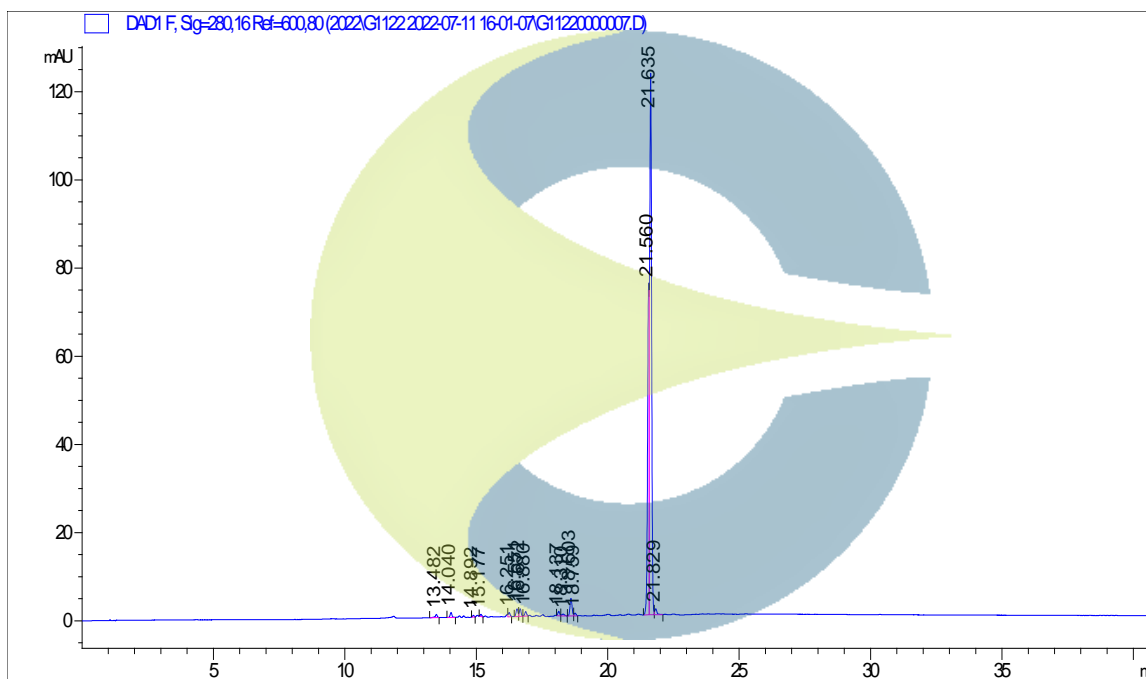
Certificate of Analysis

For Laboratory Use Only

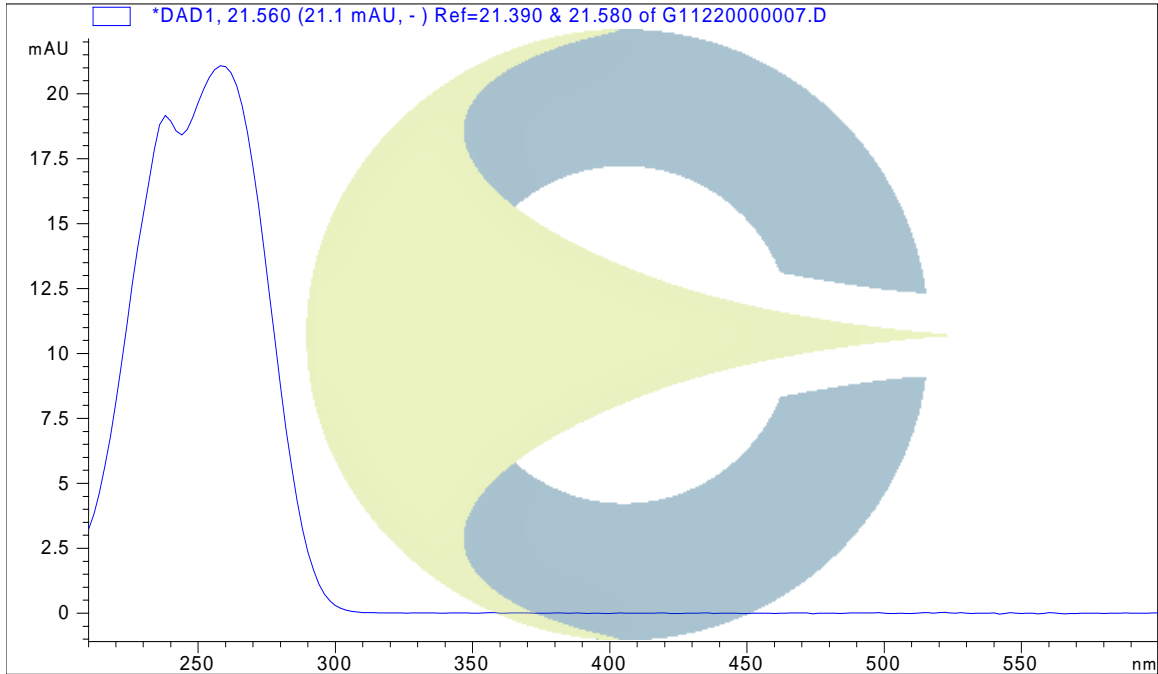
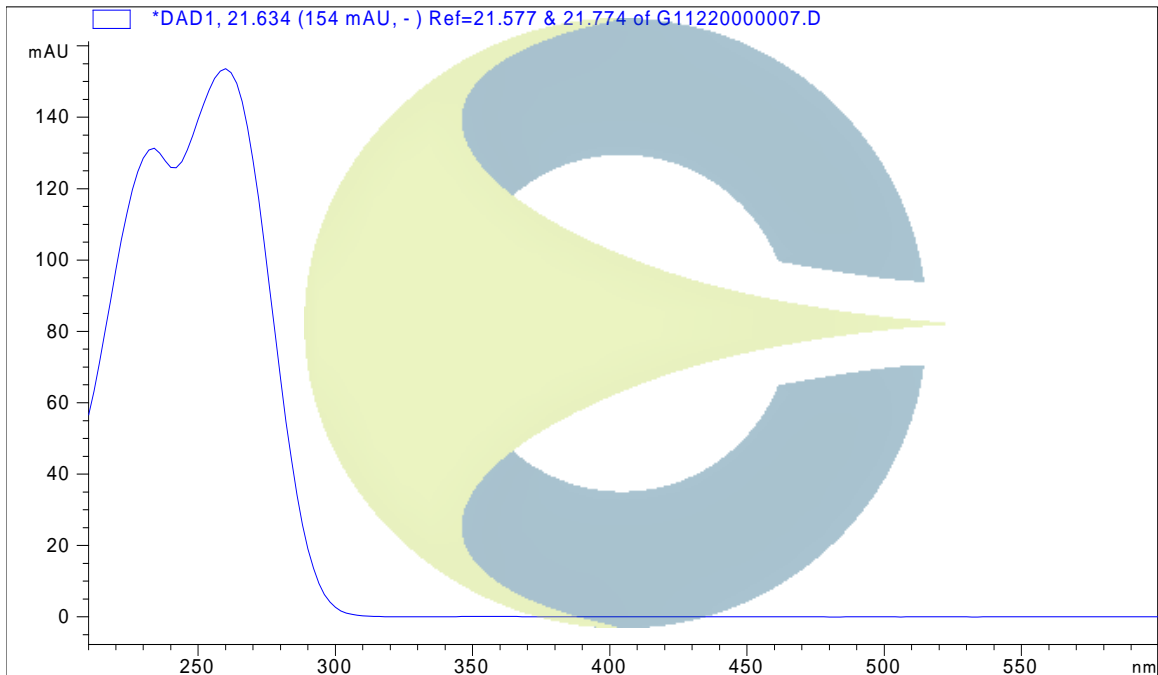
ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD)); AB-SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
MOBILE PHASE	A - Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes, then decreasing to 5% B over 1 minute.
COLUMN TEMP.	30 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.2 µL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	280 ± 8 nm

HPLC CHROMATOGRAM OF DODECA-2(E)-4(E)-8(Z)-10(E/Z)-TETRAENOIC ACID ISOBUTYLAMIDE (CDXP-18-00706)



This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.

UV SPECTRUM AT RT = 21.56 MINUTES

UV SPECTRUM AT RT = 21.63 MINUTES


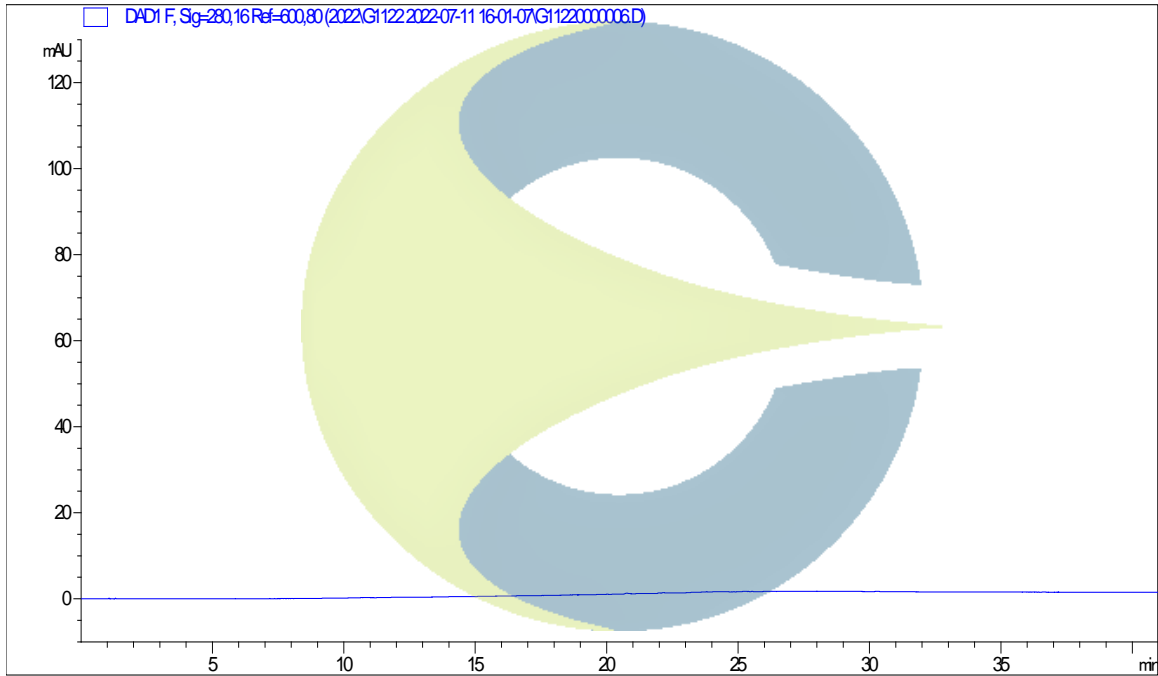
This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.

10900 Wilshire Blvd., Suite 600, Los Angeles, CA 90024 | T: +1 949-419-0288 | F: +1 949-419-0294 | www.chromadex.com
 Laboratory address: 1751 S. Fordham St., Suite 350, Longmont, CO 80503

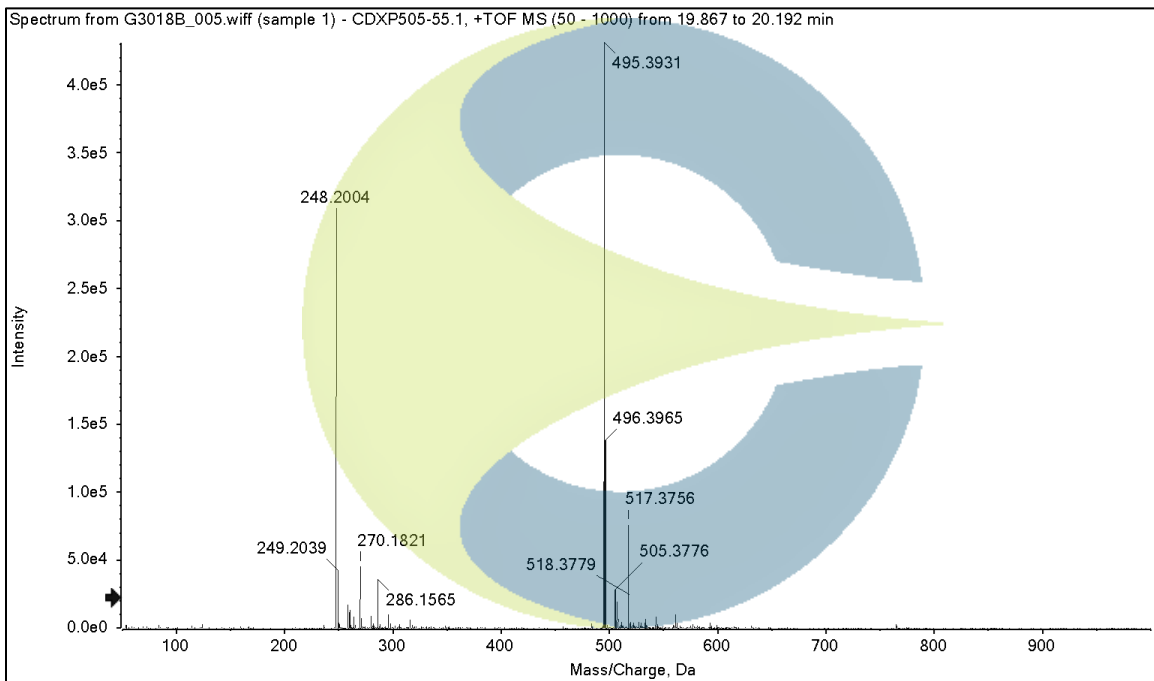
India Contact:
 Life Technologies (India) Pvt. Ltd.
 306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

Certificate of Analysis For Laboratory Use Only

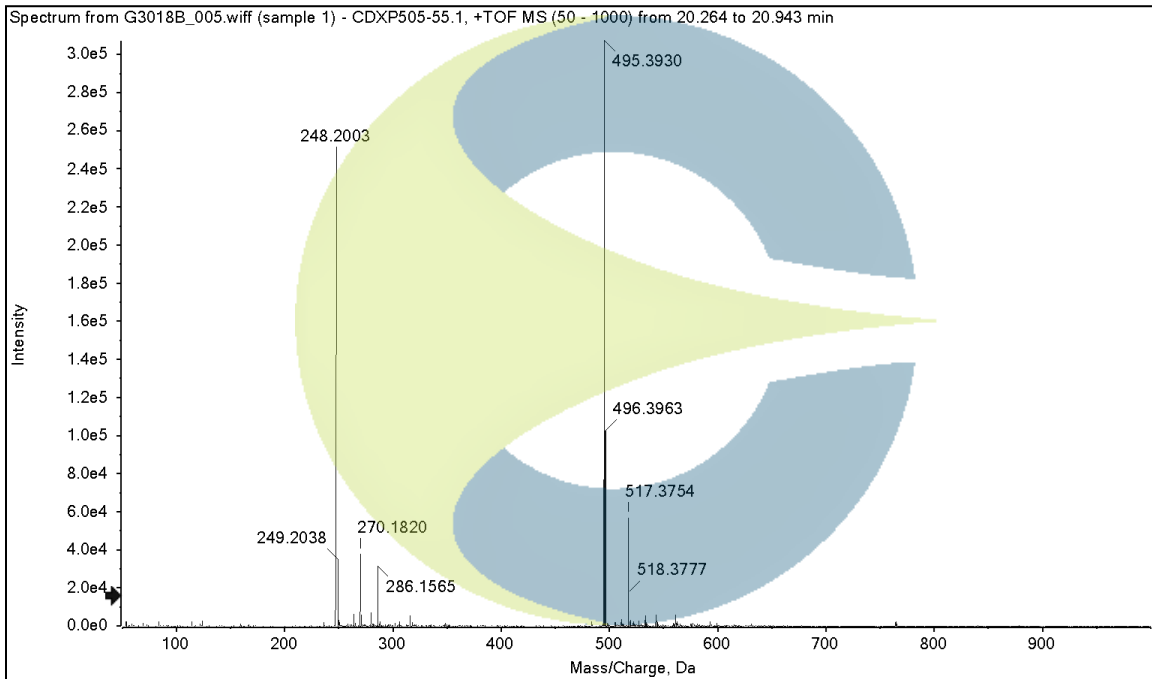
HPLC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF DODECA-2(E)-4(E)-8(Z)-10(E/Z)-TETRAENOIC ACID ISOBUTYLAMIDE (CDXP-18-00706), PEAK



This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.

MASS SPECTRUM OF DODECA-2(E)-4(E)-8(Z)-10(E/Z)-TETRAENOIC ACID ISOBUTYLAMIDE (CDXP-18-00706), PEAK B

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	08/06/2018	New report
01	07/20/2022	Passed re-evaluation by HPLC. Updated expiration date, analytical conditions, chromatograms, and results.

This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.