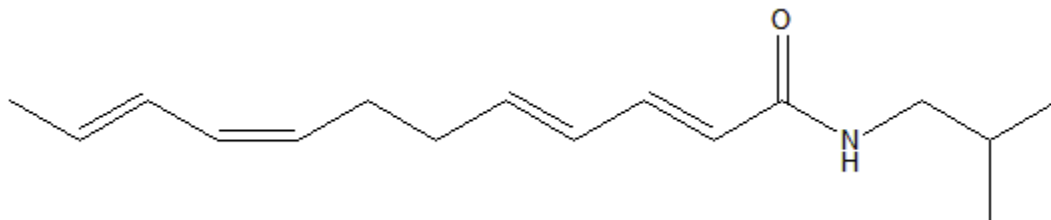


Certificate of Analysis



PRODUCT	Dodeca-2E,4E,8Z,10E/Z-tetraenoic Acid Isobutylamide
BATCH #	043-005-201
ASSAY METHOD	HPLC, ¹ HNMR
REPORT DATE	2020-02-21
CHEMICAL NAME	
CHEMICAL FORMULA	C ₁₆ H ₂₅ NO
MOLECULAR WEIGHT	247.19 AMU
CAS REG. #	866602-52-0
STORAGE	Preferred: -80C in dark (Required: -18C, dark)
EXPIRATION DATE	2020-02-23
NOTES	From echinacea angustifolia. Purity is sum of both isomers.

Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC at 254 nm		>98%	98.7%
MS		247.19	248.4 (Conforms)
Appearance	NA	NA	Off-white solid

Signed: Jan Glinski, Ph.D.
 Planta Analytica LLC
 February 21, 2020

