

# CERTIFICATE OF ANALYSIS



Product Name	<b>Abyssinian Seed Oil</b>
Product INCI	<b>Crambe Abyssinica Seed Oil</b>
Product Code	<b>C1195</b>
CAS	<b>68956-68-3</b>
EINECS	<b>273-313-3</b>

Manufacturing Method	<b>Expeller Pressed, Refined</b>
Part Used	<b>Seeds</b>
Quality	<b>100% Pure And Natural</b>

Manufacturing Date	<b>06.2019</b>
Best Before Date	<b>12.2021</b>
Lot Number	<b>C000001</b>

Analytical Details	Range %	Result
Appearance	Oily liquid	-
Colour	Pale yellow – golden yellow	-
Odour	Odourless	-
Specific gravity @ 20°C	0.900 – 0.930	0.913
Refractive index @ 20°C	1.460 – 1.480	1.475
Peroxide value (meq O <sub>2</sub> / kg)	<10.0	2.6
Iodine value	80 - 100	90.5
Acid value	<1	0.1

Fatty Acid Profile		Range %	Result
C-chain	Acid name		
C16:0	PALMITIC	1.0 – 7.0	4.0
C18:0	STEARIC	<4.0	2.0
C18:1	OLEIC	8.0 – 28.0	18.0
C18:2	LINOLEIC	3.0 – 24	13.5
C18:3	LINOLENIC	2.0 – 10	6.0
C20:0	ARACHIDIC	<9.0	4.5
C20:1	EICOSENOIC	2.0 – 8.0	5.0
C22:0	BEHENIC	1.0 – 6.0	3.5
C22:1	ERUCIC	36.0 – 60.0	48.0
C24:0	LIGNOCERIC	<2.5	1.25
C24:1	NERVONIC	<3.0	1.5