

TEST REPORT N. 21/000382109

date of issue 17/08/2021

Customer ID	0082641	Messrs ADVANCED LABORATORY TESTING LTD BOXER HOUSE UNIT 4 NEWBRIDGE INDUSTRIAL ESTATE NEWBRIDGE K KE IE
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Sample information

Acceptance number	21.528566.0027
Delivered by	DHL International on 10/08/2021
Receiving Date	10/08/2021
Place of origin	ADVANCED LABORATORY TESTING LTD BOXER HOUSE UNIT 4 NEWBRIDGE INDUSTRIAL ESTATE NEWBRIDGE K KE IE
Sample Description	ID 2893373 - NEWGRANGE GOLD RSO & 10% AHI FLOWER SEED OIL (NPD 220721) - ORDER NUMBER: 1-210805-02091

Sampling information

Sampled by	Customer
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ANALYTICAL RESULTS

	Value/ Uncertainty	Unit of measure	LoQ	LoD	Start/end date of analysis	Op. units	Row
ON SAMPLE AS IT IS							1
ACIDIC COMPOSITION BY WEIGHT							2
Met.: MP 2341 rev 0 2019 (ISO 16958)					11/08/2021- -17/08/2021	01	
Butyric acid (4:0)	< LoQ	g/100 g	0,0010				3
Caproic acid (6:0)	< LoQ	g/100 g	0,0010				4
Enanthic acid (7:0)	< LoQ	g/100 g	0,0010				5
Caprylic acid (8:0)	< LoQ	g/100 g	0,0010				6
Pelargonic acid (9:0)	< LoQ	g/100 g	0,0010				7
Capric acid (10:0)	0,0081±0,0018	g/100 g	0,0010				8
Caproic acid (10:1)	< LoQ	g/100 g	0,0010				9
Lauric acid (12:0)	0,0069±0,0016	g/100 g	0,0010				10
Lauroleic acid (12:1 n-3)	< LoQ	g/100 g	0,0010				11
Isomyristic acid (14: 0 iso)	< LoQ	g/100 g	0,0010				12
Myristic acid (14: 0)	0,0418±0,0086	g/100 g	0,0010				13
Isopentadecanoic acid (15: 0 iso)	< LoQ	g/100 g	0,0010				14
Tetradecenoic acid (14: 1 total)	< LoQ	g/100 g	0,0010				15
Myristelaidic acid (14:1t n-5)	< LoQ	g/100 g	0,0010				16
Sarcinic acid (15:0 anteiso)	< LoQ	g/100 g	0,0010				17
Myristoleic acid (14:1 n-5)	< LoQ	g/100 g	0,0010				18
Pentadecanoic acid (15: 0)	0,0189±0,0040	g/100 g	0,0010				19
Isopalmitic acid (16: 0 iso)	< LoQ	g/100 g	0,0010				20
Pentadecenoic acid (15: 1 total)	< LoQ	g/100 g	0,0010				21
10-transpentadecenoic acid (15: 1t n-5)	< LoQ	g/100 g	0,0010				22
Anteisopalmitic acid (16: 0 anteiso)	< LoQ	g/100 g	0,0010				23
Pentadecenoic acid (15:1 n-5)	< LoQ	g/100 g	0,0010				24
Palmitic acid (16: 0)	4,19±0,34	g/100 g	0,0010				25
Isoeptadecanoic acid (17: 0 iso)	< LoQ	g/100 g	0,0010				26
Hexadecenoic acid (16: 1 total)	0,161±0,033	g/100 g	0,0010				27
Palmitelaidic acid (16: 1t n-7)	< LoQ	g/100 g	0,0010				28
14-methylhexadecanoic acid (17:0 anteiso)	0,0300±0,0062	g/100 g	0,0010				29
Palmitoleic acid (16: 1 n-7)	0,161±0,033	g/100 g	0,0010				30
Margaric acid (17: 0)	0,056±0,012	g/100 g	0,0010				31
Isostearic acid (18: 0 iso)	< LoQ	g/100 g	0,0010				32
Heptadecenoic acid (17:1 total)	0,107±0,017	g/100 g	0,0010				33
trans-heptadecenoic acid (17:1t n-7)	0,0416±0,0085	g/100 g	0,0010				34
Anteisostearic acid (18: 0 anteiso)	< LoQ	g/100 g	0,0010				35
Margaroleic acid (17: 1 n-7)	0,065±0,014	g/100 g	0,0010				36
Stearic acid (18:0)	1,38±0,15	g/100 g	0,0010				37
Octadecenoic acid (18: 1 total)	48,4±3,3	g/100 g	0,0010				38
Octadecenoic acid (18: 1 all trans)	0,0192±0,0040	g/100 g	0,0010				39
Octadecenoic acid (18: 1t n-13)	< LoQ	g/100 g	0,0010				40
Petroselaidic acid (18: 1t n-12)	< LoQ	g/100 g	0,0010				41
Elaidic acid (18: 1t n-9)	0,0192±0,0040	g/100 g	0,0010				42
Isooleic acid (18: 1t n-8)	< LoQ	g/100 g	0,0010				43
trans-vaccenic acid (18: 1t n-7)	< LoQ	g/100 g	0,0010				44
Octadecenoic acid (18: 1t n-6)	< LoQ	g/100 g	0,0010				45
Isononanoic acid (19: 0 iso)	< LoQ	g/100 g	0,0010				46
Petroselinic acid (18: 1 n-12)	< LoQ	g/100 g	0,0010				47
cis-octadecenoic acid (18: 1 all cis)	48,3762±3,3080	g/100 g	0,0010				48
Oleic acid (18: 1 n-9)	46,0±3,3	g/100 g	0,0010				49
Anteisononadecanoic acid (19: 0 anteiso)	< LoQ	g/100 g	0,0010				50
Asclepic acid (cis-vaccenic) (18:1 n-7)	2,37±0,23	g/100 g	0,0010				51
Oleic acid (18: 1 n-6)	0,0062±0,0014	g/100 g	0,0010				52
Octadecenoic acid (18:1 n-5)	< LoQ	g/100 g	0,0010				53
Octadecenoic acid (18:1t n-2)	< LoQ	g/100 g	0,0010				54
Nonadecylic acid (19: 0)	< LoQ	g/100 g	0,0010				55

ANALYTICAL RESULTS

	Value/ Uncertainty	Unit of measure	LoQ	LoD	Start/end date of analysis	Op. units	Row
Octadecenoic acid (18: 1 n-3)	< LoQ	g/100 g	0,0010				56
Octadecadienoic acid (total 18: 2)	16,1±1,2	g/100 g	0,0010				57
Octadecadienoic acid (18: 2 all trans)	0,0327±0,0067	g/100 g	0,0010				58
9,12-linoelaidic acid (18: 2t n-6)	< LoQ	g/100 g	0,0010				59
9,12-linoelaidic acid (18: 2c, t n-6)	0,0327±0,0067	g/100 g	0,0010				60
Nonadecenoic acid (total 19:1)	< LoQ	g/100 g	0,0010				61
trans-nonadecenoic acid (19:1 all trans)	< LoQ	g/100 g	0,0010				62
trans-7-nonadecenoic acid (19:1t n-12)	< LoQ	g/100 g	0,0010				63
trans-10-nonadecenoic acid (19:1t n-9)	< LoQ	g/100 g	0,0010				64
9,12-linoledaidic acid (18: 2t, c n-6)	< LoQ	g/100 g	0,0010				65
Nonadecenoic acid (19:1 n-9)	< LoQ	g/100 g	0,0010				66
Isoarachide acid (20: 0 iso)	< LoQ	g/100 g	0,0010				67
Linoleic acid (18: 2 n-6)(LA)	16,1±1,2	g/100 g	0,0010				68
Arachidic acid (20: 0)	0,407±0,055	g/100 g	0,0010				69
Octadecatrienoic acid (total 18: 3)	18,5±1,3	g/100 g	0,0010				70
Octadecatrienoic acid (18:3 all trans)	0,115±0,020	g/100 g	0,0010				71
Elaidolinolenic acid (18:3 t n-3)	< LoQ	g/100 g	0,0010				72
9,12,15-octadecatrienoic acid (c18: 3t, t, c + t, c, t n-3 + c, t, t n-3)	< LoQ	g/100 g	0,0010				73
Octadecatrienoic acid (18: 3 all cis)	17,4±1,3	g/100 g	0,0010				74
Columbinic acid (18: 3 n-6)	< LoQ	g/100 g	0,0010				75
gamma-linolenic acid (18: 3 n-6)(GLA)	1,01±0,12	g/100 g	0,0010				76
9,12,15-octadecatrienoic acid (18: 3c, c, t n-3)	0,090±0,019	g/100 g	0,0010				77
Eicosenoic acid (total 20: 1)	1,12±0,13	g/100 g	0,0010				78
trans-gondoic acid (20: 1 t n-9)	< LoQ	g/100 g	0,0010				79
Acid 9,12,15-octadecatrienoic (18: 3c, t, c n-3)	< LoQ	g/100 g	0,0010				80
Acid 9,12,15-octadecatrienoic (18: 3t, c, c n-3)	0,0253±0,0052	g/100 g	0,0010				81
Eicosenoic acid (20:1 all cis)	1,12±0,13	g/100 g	0,0010				82
Gadoleic acid (20: 1 n-11)	< LoQ	g/100 g	0,0010				83
Gondoic acid (20: 1 n-9)	1,12±0,13	g/100 g	0,0010				84
alpha-linolenic acid (18: 3 n-3)(ALA)	17,4±1,3	g/100 g	0,0010				85
Conjugated linoleic acid (all 18:2 cla)	< LoQ	g/100 g	0,0010				86
Acid 9,11-octadecadienoic (18:2c, t + 18:2t, c n-7 cla)	< LoQ	g/100 g	0,0010				87
9,11-octadecadienoic acid (18:2 n-7 cla)	< LoQ	g/100 g	0,0010				88
Heneicosylic acid (21: 0)	0,0129±0,0027	g/100 g	0,0010				89
10,12-octadecadienoic acid (18: 2 n-6 cla)	< LoQ	g/100 g	0,0010				90
10,12-octadecadienoic acid (18: 2t, c n-6 cla)	< LoQ	g/100 g	0,0010				91
Stearidonic acid (18:4 n-3)	3,59±0,30	g/100 g	0,0010				92
11,14-eicosadienoic acid (20:2 n-6)	0,065±0,013	g/100 g	0,0010				93
Behenic acid (22: 0)	0,230±0,043	g/100 g	0,0010				94
Eicosatrienoic acid (total 20: 3)	< LoQ	g/100 g	0,0010				95
Mead acid (20: 3 n-9)	< LoQ	g/100 g	0,0010				96
Dihomogammalinolenic acid (20: 3 n-6)(DGLA)	< LoQ	g/100 g	0,0010				97
Docosanoic acid (total 22: 1)	0,161±0,033	g/100 g	0,0010				98
Brassicidic acid (22:1t n-9)	< LoQ	g/100 g	0,0010				99
Docosanoic acid (22: 1 all cis)	0,161±0,033	g/100 g	0,0010				100
Cetoleic acid (22: 1 n-11)	< LoQ	g/100 g	0,0010				101
Erucic acid (22: 1 n-9)	0,161±0,033	g/100 g	0,0010				102
Dihomogammalinoleic acid (20: 3 n-3)	< LoQ	g/100 g	0,0010				103
Eicosatetraenoic acid (total 20: 4)	< LoQ	g/100 g	0,0010				104
Arichidonic acid (20: 4 n-6)(AA)	< LoQ	g/100 g	0,0010				105
Tricosylic acid (23: 0)	< LoQ	g/100 g	0,0010				106
Eicosatetraenoic acid (20: 4 n-3)	< LoQ	g/100 g	0,0010				107
Docosadienoic acid (22: 2 n-6)	< LoQ	g/100 g	0,0010				108
Lignoceric acid (24: 0)	0,062±0,013	g/100 g	0,0010				109
Timnodonic acid (20:5 n-3)(EPA)	< LoQ	g/100 g	0,0010				110
Nervonic acid (24: 1 n-9)	0,127±0,026	g/100 g	0,0010				111
Docosatrienoic acid (22: 3 n-3)	< LoQ	g/100 g	0,0010				112

ANALYTICAL RESULTS

	Value/ Uncertainty	Unit of measure	LoQ	LoD	Start/end date of analysis	Op. units	Row
Docosatetraenoic acid (22: 4 n-6)	< LoQ	g/100 g	0,0010				113
Docosapentaenoic acid (total 22:5)	< LoQ	g/100 g	0,0010				114
Docosapentaenoic acid (22: 5 n-6)	< LoQ	g/100 g	0,0010				115
Docosapentaenoic acid (22: 5 n-3)	< LoQ	g/100 g	0,0010				116
Cervonic acid (22: 6 n-3)(DHA)	< LoQ	g/100 g	0,0010				117
Saturated fatty acids	6,44±0,38	g/100 g	0,0010				118
Monounsaturated fatty acids	50,1±3,3	g/100 g	0,0010				119
Cis monounsaturated fatty acids	50,0±3,3	g/100 g	0,0010				120
Trans monounsaturated fatty acids	0,0608±0,0094	g/100 g	0,0010				121
Polyunsaturated fatty acids	38,3±1,8	g/100 g	0,0010				122
Cis polyunsaturated fatty acids	38,2±1,8	g/100 g	0,0010				123
Trans polyunsaturated fatty acids	0,148±0,021	g/100 g	0,0010				124
Sum of trans fatty acids	0,209±0,023	g/100 g	0,0010				125
Sum of omega 3	21,1±1,3	g/100 g	0,0010				126
Sum of omega 6	17,2±1,2	g/100 g	0,0010				127
Sum of omega 9	47,4±3,3	g/100 g	0,0010				128
Sum of omega 11	< LoQ	g/100 g	0,0010				129
Ratio omega 3/omega 6	1,23±0,12		0,0010				130
Ratio polyunsaturated fatty acids/monounsaturated fatty acids	0,764±0,062		0,0010				131
Ratio polyunsaturated fatty acids/saturated fatty acids	5,95±0,45		0,0010				132

ACID COMPOSITION IN % OF THE TOTAL OF FATTY ACIDS

Met.: MP 2341 rev 0 2019 (ISO 16958)

	Value/ Uncertainty	Unit of measure	LoQ	LoD	Start/end date of analysis	Op. units	Row
Butyric acid (4:0)	< LoQ	% as FAME	0,0050				134
Caproic acid (6:0)	< LoQ	% as FAME	0,0050				135
Enanthic acid (7:0)	< LoQ	% as FAME	0,0050				136
Caprylic acid (8:0)	< LoQ	% as FAME	0,0050				137
Pelargonic acid (9:0)	< LoQ	% as FAME	0,0050				138
Capric acid (10:0)	0,0088±0,0023	% as FAME	0,0050				139
Caproic acid (10:1)	< LoQ	% as FAME	0,0050				140
Lauric acid (12:0)	0,0074±0,0020	% as FAME	0,0050				141
Lauroleic acid (12:1 n-3)	< LoQ	% as FAME	0,0050				142
Isomyristic acid (14: 0 iso)	< LoQ	% as FAME	0,0050				143
Myristic acid (14: 0)	0,045±0,011	% as FAME	0,0050				144
Isopentadecanoic acid (15: 0 iso)	< LoQ	% as FAME	0,0050				145
Tetradecenoic acid (14: 1 total)	< LoQ	% as FAME	0,0050				146
Myristelaidic acid (14:1t n-5)	< LoQ	% as FAME	0,0050				147
Sarcinic acid (15:0 anteiso)	< LoQ	% as FAME	0,0050				148
Myristoleic acid (14:1 n-5)	< LoQ	% as FAME	0,0050				149
Pentadecanoic acid (15: 0)	0,0201±0,0048	% as FAME	0,0050				150
Isopalmitic acid (16: 0 iso)	< LoQ	% as FAME	0,0050				151
Pentadecenoic acid (15: 1 total)	< LoQ	% as FAME	0,0050				152
10-transpentadecenoic acid (15: 1t n-5)	< LoQ	% as FAME	0,0050				153
Anteisopalmitic acid (16: 0 anteiso)	< LoQ	% as FAME	0,0050				154
Pentadecenoic acid (15:1 n-5)	< LoQ	% as FAME	0,0050				155
Palmitic acid (16: 0)	4,44±0,44	% as FAME	0,0050				156
Isoeptaadecanoic acid (17: 0 iso)	< LoQ	% as FAME	0,0050				157
Hexadecenoic acid (16: 1 total)	0,171 [0,131 , 0,207]	% as FAME	0,0050				158
Palmitelaidic acid (16: 1t n-7)	< LoQ	% as FAME	0,0050				159
14-methylhexadecanoic acid (17:0 anteiso)	0,0317±0,0074	% as FAME	0,0050				160
Palmitoleic acid (16: 1 n-7)	0,171 [0,131 , 0,207]	% as FAME	0,0050				161
Margaric acid (17: 0)	0,059±0,014	% as FAME	0,0050				162
Isostearic acid (18: 0 iso)	< LoQ	% as FAME	0,0050				163
Heptadecenoic acid (17:1 total)	0,113±0,020	% as FAME	0,0050				164
Trans-heptadecenoic acid (17:1t n-7)	0,044±0,010	% as FAME	0,0050				165
Anteisostearic acid (18: 0 anteiso)	< LoQ	% as FAME	0,0050				166

ANALYTICAL RESULTS

	Value/ Uncertainty	Unit of measure	LoQ	LoD	Start/end date of analysis	Op. units	Row
Margaroleic acid (17: 1 n-7)	0,069±0,017	% as FAME	0,0050				167
Stearic acid (18:0)	1,45±0,19	% as FAME	0,0050				168
Octadecenoic acid (18: 1 total)	51,0±4,3	% as FAME	0,0050				169
Octadecenoic acid (18: 1 all trans)	0,0202±0,0048	% as FAME	0,0050				170
Octadecenoic acid (18: 1t n-13)	< LoQ	% as FAME	0,0050				171
Petroselaidic acid (18: 1t n-12)	< LoQ	% as FAME	0,0050				172
Elaidic acid (18: 1t n-9)	0,0202±0,0048	% as FAME	0,0050				173
Isooleic acid (18: 1t n-8)	< LoQ	% as FAME	0,0050				174
Trans-vaccenic acid (18: 1t n-7)	< LoQ	% as FAME	0,0050				175
Octadecenoic acid (18: 1t n-6)	< LoQ	% as FAME	0,0050				176
Isononanoic acid (19: 0 iso)	< LoQ	% as FAME	0,0050				177
Petroselinic acid (18: 1 n-12)	< LoQ	% as FAME	0,0050				178
Cis-octadecenoic acid (18: 1 all cis)	51,0±4,3	% as FAME	0,0050				179
Oleic acid (18: 1 n-9)	48,5±4,3	% as FAME	0,0050				180
Anteisononadecanoic acid (19: 0 anteiso)	< LoQ	% as FAME	0,0050				181
Asclepic acid (cis-vaccenic) (18:1 n-7)	2,50±0,29	% as FAME	0,0050				182
Oleic acid (18: 1 n-6)	0,0065±0,0017	% as FAME	0,0050				183
Octadecenoic acid (18:1 n-5)	< LoQ	% as FAME	0,0050				184
Octadecenoic acid (18:1t n-2)	< LoQ	% as FAME	0,0050				185
Nonadecylic acid (19: 0)	< LoQ	% as FAME	0,0050				186
Octadecenoic acid (18: 1 n-3)	< LoQ	% as FAME	0,0050				187
Octadecadienoic acid (total 18: 2)	17,0±1,6	% as FAME	0,0050				188
Octadecadienoic acid (18: 2 all trans)	0,0345±0,0079	% as FAME	0,0050				189
9,12-linoelaidic acid (18: 2t n-6)	< LoQ	% as FAME	0,0050				190
9,12-linoelaidic acid (18: 2c, t n-6)	0,0345±0,0079	% as FAME	0,0050				191
Nonadecenoic acid (total 19:1)	< LoQ	% as FAME	0,0050				192
Trans-nonadecenoic acid (19:1 all trans)	< LoQ	% as FAME	0,0050				193
Trans-7-nonadecenoic acid (19:1t n-12)	< LoQ	% as FAME	0,0050				194
Trans-10-nonadecenoic acid (19:1t n-9)	< LoQ	% as FAME	0,0050				195
9,12-linoledaidic acid (18: 2t, c n-6)	< LoQ	% as FAME	0,0050				196
Nonadecenoic acid (19:1 n-9)	< LoQ	% as FAME	0,0050				197
Isoarachide acid (20: 0 iso)	< LoQ	% as FAME	0,0050				198
Linoleic acid (18: 2 n-6)(LA)	17,0±1,6	% as FAME	0,0050				199
Arachidic acid (20: 0)	0,427±0,065	% as FAME	0,0050				200
Octadecatrienoic acid (total 18: 3)	19,6±1,7	% as FAME	0,0050				201
Octadecatrienoic acid (18:3 all trans)	0,122±0,023	% as FAME	0,0050				202
Elaidolinolenic acid (18:3 t n-3)	< LoQ	% as FAME	0,0050				203
9,12,15-octadecatrienoic acid (c18: 3t, t, c + t, c, t n-3 + c, t, t n-3)	< LoQ	% as FAME	0,0050				204
Octadecatrienoic acid (18: 3 all cis)	18,4±1,7	% as FAME	0,0050				205
Columbinic acid (18: 3 n-6)	< LoQ	% as FAME	0,0050				206
Gamma-linolenic acid (18: 3 n-6)(GLA)	1,07±0,15	% as FAME	0,0050				207
9,12,15-octadecatrienoic acid (18: 3c, c, t n-3)	0,095±0,022	% as FAME	0,0050				208
Eicosenoic acid (total 20: 1)	1,18±0,16	% as FAME	0,0050				209
Trans-gondoic acid (20: 1 t n-9)	< LoQ	% as FAME	0,0050				210
Acid 9,12,15-octadecatrienoic (18: 3c, t, c n-3)	< LoQ	% as FAME	0,0050				211
Acid 9,12,15-octadecatrienoic (18: 3t, c, c n-3)	0,0267±0,0062	% as FAME	0,0050				212
Eicosenoic acid (20:1 all cis)	1,18±0,16	% as FAME	0,0050				213
Gadoleic acid (20: 1 n-11)	< LoQ	% as FAME	0,0050				214
Gondoic acid (20: 1 n-9)	1,18±0,16	% as FAME	0,0050				215
Alpha-linolenic acid (18: 3 n-3)(ALA)	18,4±1,7	% as FAME	0,0050				216
Conjugated linoleic acid (all 18:2 cla)	< LoQ	% as FAME	0,0050				217
Acid 9,11-octadecadienoic (18:2c, t + 18:2t, c n-7 cla)	< LoQ	% as FAME	0,0050				218
9,11-octadecadienoic acid (18:2 n-7 cla)	< LoQ	% as FAME	0,0050				219
Heneicosylic acid (21: 0)	0,0135±0,0031	% as FAME	0,0050				220
10,12-octadecadienoic acid (18: 2 n-6 cla)	< LoQ	% as FAME	0,0050				221
10,12-octadecadienoic acid (18: 2t, c n-6 cla)	< LoQ	% as FAME	0,0050				222
Stearidonic acid (18:4 n-3)	3,79±0,38	% as FAME	0,0050				223

ANALYTICAL RESULTS

	Value/ Uncertainty	Unit of measure	LoQ	LoD	Start/end date of analysis	Op. units	Row
11,14-eicosadienoic acid (20:2 n-6)	0,068±0,015	% as FAME	0,0050				224
Behenic acid (22: 0)	0,241±0,050	% as FAME	0,0050				225
Eicosatrienoic acid (total 20: 3)	< LoQ	% as FAME	0,0050				226
Mead acid (20: 3 n-9)	< LoQ	% as FAME	0,0050				227
Dihomogammalinolenic acid (20: 3 n-6)(DGLA)	< LoQ	% as FAME	0,0050				228
Docosanoic acid (total 22: 1)	0,168±0,038	% as FAME	0,0050				229
Brassicid acid (22:1t n-9)	< LoQ	% as FAME	0,0050				230
Docosanoic acid (22: 1 all cis)	0,168±0,038	% as FAME	0,0050				231
Cetoleic acid (22: 1 n-11)	< LoQ	% as FAME	0,0050				232
Erucic acid (22: 1 n-9)	0,168±0,038	% as FAME	0,0050				233
Dihomogammalinoleic acid (20: 3 n-3)	< LoQ	% as FAME	0,0050				234
Eicosatetraenoic acid (total 20: 4)	< LoQ	% as FAME	0,0050				235
Arachidonic acid (20: 4 n-6)(AA)	< LoQ	% as FAME	0,0050				236
Tricosylic acid (23: 0)	< LoQ	% as FAME	0,0050				237
Eicosatetraenoic acid (20: 4 n-3)	< LoQ	% as FAME	0,0050				238
Docosadienoic acid (22: 2 n-6)	< LoQ	% as FAME	0,0050				239
Lignoceric acid (24: 0)	0,065±0,015	% as FAME	0,0050				240
Timnodonic acid (20:5 n-3)(EPA)	< LoQ	% as FAME	0,0050				241
Nervonic acid (24: 1 n-9)	0,132±0,030	% as FAME	0,0050				242
Docosatrienoic acid (22: 3 n-3)	< LoQ	% as FAME	0,0050				243
Docosatetraenoic acid (22: 4 n-6)	< LoQ	% as FAME	0,0050				244
Docosapentaenoic acid (total 22:5)	< LoQ	% as FAME	0,0050				245
Docosapentaenoic acid (22: 5 n-6)	< LoQ	% as FAME	0,0050				246
Docosapentaenoic acid (22: 5 n-3)	< LoQ	% as FAME	0,0050				247
Cervonic acid (22: 6 n-3)(DHA)	< LoQ	% as FAME	0,0050				248
Polyunsaturated fatty acids > c20	< LoQ	% as FAME	0,0050				249
Saturated fatty acids	6,81±0,49	% as FAME	0,0050				250
Monounsaturated fatty acids	52,8±4,3	% as FAME	0,0050				251
Cis monounsaturated fatty acids	52,7±4,3	% as FAME	0,0050				252
Trans monounsaturated fatty acids	0,064±0,011	% as FAME	0,0050				253
Polyunsature fatty acids	40,5±2,4	% as FAME	0,0050				254
Cis polynunsaturated fatty acids	40,3±2,4	% as FAME	0,0050				255
Trans polyunsaturated fatty acids	0,156±0,024	% as FAME	0,0050				256
Sum of trans fatty acids	0,220±0,026	% as FAME	0,0050				257
Sum of omega 3	22,3±1,8	% as FAME	0,0050				258
Sum of omega 6	18,2±1,6	% as FAME	0,0050				259
Sum of omega 9	50,0±4,3	% as FAME	0,0050				260
Sum of omega 11	< LoQ	% as FAME	0,0050				261
Ratio omega 3/omega 6	1,23±0,15		0,0050				262
Ratio polyunsaturated fatty acids/monounsaturated fatty acids	0,767±0,077		0,0050				263
Ratio polyunsaturated fatty acids/saturated fatty acids	5,95±0,56		0,0050				264

Operative units

Unit 01 : Via Fratta Resana (TV)

Information provided by the client

Sampled by: Customer

Place of origin: ADVANCED LABORATORY TESTING LTD BOXER HOUSE UNIT 4 NEWBRIDGE INDUSTRIAL ESTATE NEWBRIDGE K KE IE

Description: ID 2893373 - NEWGRANGE GOLD RSO & 10% AHI FLOWER SEED OIL (NPD 220721) - ORDER NUMBER: 1-210805-02091

Chemical responsible
Dott. Emiliano Castellano Chimico Ordine dei Chimici e dei Fisici della Toscana. N. 1631 - Sez. A
Num. certificato 20956661 emesso dall'ente certificatore ArubaPEC S.p.A. NG CA 3, ArubaPEC S.p.A., IT

- If not otherwise specified, the uncertainty is extended and has been calculated with a coverage factor $k=2$ corresponding to a probability interval of about 95%. - LoD is the detection limit and identifies a confidence interval of zero with a probability interval of about 99%. - LoQ is the limit of quantification. "n.d" is not detected and indicates a value inferior to the LoD. "traces (X)" means a value between LoD and LoQ, this value is indicative. "<x" or ">x" indicate inferior or superior to the measurement field of the test. - If not differently specified, the sums are calculated by lower bound criteria (L.B.). - In case of alteration of the sample the laboratory declines any responsibility on the results that can be influenced by the deviation in case the customer asks for the execution of the test anyway. - If the sampling is not carried out by the laboratory staff, the results obtained are considered referring to the sample as received and the laboratory declines its responsibility for the results calculated considering the sampling data provided by the Customer. The name and contact information of the Customer are always provided by the Customer. - If there is a specification (customer specifications, law limits) which has been compared to the analytical results, the values shown in bold indicate a result which is out of the specification. - If not differently specified the judgments of compliance /non-compliance eventually reported are referred to analysed parameters and are based on the comparison of the value with the reference values without considering the confidence interval of measure.