

**Client** Appalachian Valley Natural Products  
*Anatolian Treasures*

**Source** 

*Black Cumin (Nigella sativa)*  
ISR10-RB

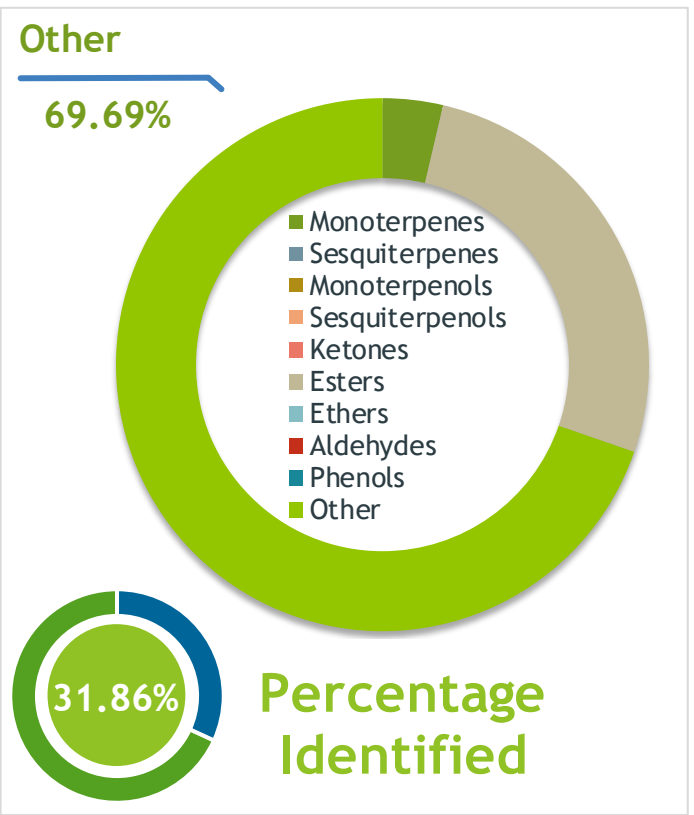
**Sample** Black Cumin (Nigella sativa)  
Batch #:..... EGE11-EW  
Type:..... Carrier Oil  
CAS Number:... 90064-32-7  
Appalachian Valley Natural

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**Website** 

**Primary**

<u>25.66%</u>	<u>Ethyl linoleate</u>
<u>10.71%</u>	<u>Linoleate Isomer</u>
<u>10.63%</u>	<u>Linoleate Isomer</u>



**Result** 

**Conclusion** No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine essential oil of Black Cumin (Nigella sativa).

Internal Number: | EVS-2588



**Essential Validation Services**

747 SW 2nd Ave IMB 12 Suite 306  
Gainesville, FL 32601

317.361.5044 | [essentialvalidationservices.com](http://essentialvalidationservices.com)  
adam@essentialvalidationservices.com

*Adam Christen*

Monoterpenes	3.66%
Sesquiterpenes	0.00%
Monoterpenols	0.00%
Sesquiterpenols	0.00%
Ketones	0.00%
Esters	26.65%
Ethers	0.00%
Aldehydes	0.00%
Phenols	0.00%
Other	69.69%

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Total Percentage		31.86%			
Number	RT	Area %	Compound Name	RI	Chemical Family
1	11.91	1.51%	alpha-Thujene	927.80	Monoterpene
2	12.16	0.32%	alpha-Pinene	936.10	Monoterpene
3	13.82	0.09%	Sabinene	973.00	Monoterpene
4	13.93	0.30%	beta-Pinene	974.00	Monoterpene
5	15.95	1.44%	para-Cymene	1024.30	Monoterpene
6	16.10	0.36%	UK Cumin		
7	19.79	0.41%	trans-4-methoxy Thujane	1096.50	Alkane
8	24.83	0.42%	UK Cumin		
9	24.92	0.47%	UK Cumin		
10	45.64	1.14%	Hexadecanoic acid	1959.00	Fatty Acid
11	46.14	1.15%	UK Cumin		
12	48.47	0.41%	UK Cumin		
13	48.73	0.99%	Methyl linoleate	2096.25	Fatty Acid Ester
14	49.99	25.66%	Ethyl linoleate	2143.00	Fatty Acid Ester
15	50.22	3.09%	UK Cumin		
16	50.39	3.64%	UK Cumin		
17	52.90	0.45%	UK Cumin		
18	55.50	1.05%	UK Cumin		
19	55.57	0.37%	UK Cumin		
20	56.37	0.57%	UK Cumin		
21	56.46	3.75%	UK Cumin		
22	56.75	3.29%	UK Cumin		
23	58.94	10.71%	Linoleate Isomer		
24	59.14	6.69%	Linoleate Isomer		
25	59.44	10.63%	Linoleate Isomer		
26	60.32	0.39%	UK Cumin		
27	63.63	0.56%	UK Cumin		
28	63.91	0.52%	UK Cumin		
29	64.40	0.86%	UK Cumin		
30	64.63	0.90%	UK Cumin		
31	64.76	0.57%	UK Cumin		
32	65.13	2.24%	UK Cumin		
33	65.47	0.36%	UK Cumin		
34	65.87	0.37%	UK Cumin		
35	66.06	0.92%	UK Cumin		

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Source



Black Cumin (*Nigella sativa*)  
ISR10-RB

Number	RT	Area %	Compound Name	RI	Chemical Family
36	66.46	0.40%	UK Cumin		

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