

Ruh Khus Vetiveria zizanioides

India
Batch #IN-59150

Sesquiterpenes 25%

β Vetivenene	6.08
β vetispirene	3.69
α Amorphene	2.64
γ cadinene	1.68
β cadinene	1.62
γ Vetivenene	1.58
khusimene	1.05
prezizaene	1.05
α Vetispirine	1.05
α calacorene	0.88
eremophilene	0.86
γ Amorphene	0.61
6,9-guaiadiene	0.46
α guaiene	0.38
β gurjunene	0.26
β cedrene	0.22
acora-3,7(14)-diene	0.16
α gurjunene	0.15
2-epi α funebrene	0.15
zonarene	0.15
α Ylangene	0.14
cyperene	0.08
acora-2,4(15)-diene	0.06

Aldehydes 4.95%

zizanal	0.81
(E)-isovalencenal	3.99
isobicyclogermacrenal	0.15

Esters 0.59%

(Z) α santalyl acetate	0.59
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Ethers 1.1%

2-methoxyfuranodiene	1.1
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Sesquiterpenols 35.64%

khusimol	11.53
khusinol	9.03
cubenol	4.83
vetiselinol	2.27
junicedranol	2.02
junelol	1.38
α muurolol	1.12
γ costol	0.69
1-epi-cubenol	0.62
10 epi γ eudesmol	0.56
cedrol	0.53
elemol	0.45
α cadinol	0.45
globulol	0.16

Ketones 10.29%

α Vetivone	2.11
β Vetivone	2.05
khusimone	0.93
Nootkatone	1.00
junipercamphor	1.48
epi-zizanone	2.72

Phenols 0.03%

4-vinylguaiacol	0.03
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Other 11.28%

unknown	11.17
furfural	0.11

Raw Material: roots

Production method: hydro steam distillation

Date of Analysis: 2/15/2021

Client



Source



Ruh Khus (*Vetiveria zizanioides*)
IN-59150

Sample

Ruh Khus (*Vetiveria zizanioides*)
Batch #:..... | IN-59150
Type:..... | Essential Oil
CAS Number:... | 84238-29-9
Nature's Gift

Client



Website

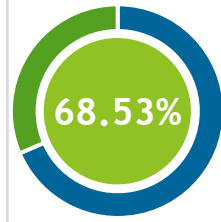
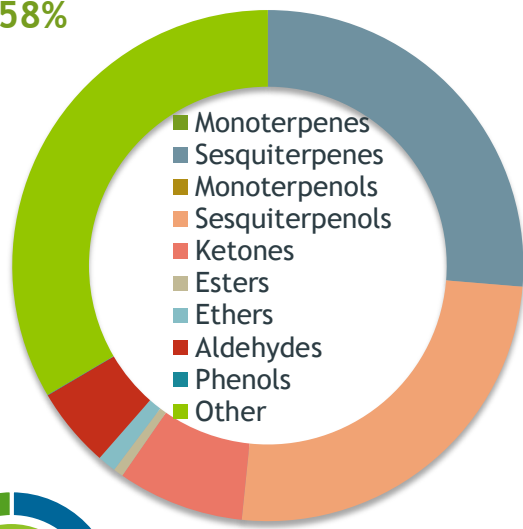


Primary

11.53% | [Khusimol](#)
9.03% | [Khusinol](#)
6.08% | [beta-Vetivenene](#)

Other

31.58%



Percentage Identified

Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Ruh Khus (*Vetiveria zizanioides*)

Internal Number: | EVS-4210



Essential Validation Services

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

317.361.5044 | <https://essentialvalidationservices.com/>

Alan Chastain

Monoterpenes	0.00%
Sesquiterpenes	24.85%
Monoterpenols	0.00%
Sesquiterpenols	23.90%
Ketones	7.57%
Esters	0.59%
Ethers	1.10%
Aldehydes	4.80%
Phenols	0.03%
Other	31.58%

ESSENTIAL VALIDATION SERVICES | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

Client



Source

Ruh Khus (*Vetiveria zizanioides*)

IN-59150

Total Percentage		68.53%		
Number	RT	Area %	Compound Name	Chemical Family
1	5.05	0.11%	Furfural	Furan
2	24.96	0.03%	4-Vinylguaiacol	Simple Phenolic
3	27.51	0.14%	alpha-Ylangene	Sesquiterpene
4	28.01	0.15%	23.75 Funebrene<2-epi-alpha->	0.00
5	28.88	0.08%	Cyperene	Sesquiterpene
6	29.25	0.16%	Acora-3,7(14)-diene	Sesquiterpene
7	29.39	0.22%	beta-Cedrene	Sesquiterpene
8	29.57	0.15%	alpha-Gurjunene	Sesquiterpene
9	30.09	0.26%	beta-Gurjunene	Sesquiterpene
10	30.55	0.46%	6,9-Guaiadiene	Sesquiterpene
11	30.66	0.06%	Acora-2,4(15)-diene	Sesquiterpene
12	30.85	1.05%	Prezizaene	Sesquiterpene
13	31.03	1.05%	Khusimene	Sesquiterpene
14	31.19	0.38%	alpha-Guaiene	Sesquiterpene
15	32.10	2.64%	alpha-Amorphene	Sesquiterpene
16	32.27	1.05%	alpha-Vetispirene	Sesquiterpene
17	32.45	3.69%	beta-Vetispirene	Sesquiterpene
18	32.63	0.61%	gamma-Amorphene	Sesquiterpene
19	33.07	1.62%	beta-Cadinene	Sesquiterpene
20	33.44	1.68%	gamma-Cadinene	Sesquiterpene
21	33.66	0.86%	Eremophilene	Sesquiterpene
22	34.01	1.58%	gamma-Vetivenene	Sesquiterpene
23	34.22	0.15%	Zonarene	Sesquiterpene
24	34.52	0.88%	alpha-Calacorene	Sesquiterpene
25	34.84	0.45%	Elemol	Sesquiterpenol
26	34.98	6.08%	beta-Vetivenene	Sesquiterpene
27	35.32	2.82%	UK Compound	
28	36.36	0.16%	Globulol	Sesquiterpenol
29	36.53	0.53%	Cedrol	Sesquiterpenol
30	36.86	0.93%	Khusimone	Normonoterpene Ketone
31	37.02	0.33%	UK Compound	
32	37.34	1.89%	UK Compound	
33	37.58	1.38%	Junenol	Sesquiterpenol
34	37.63	1.00%	UK Compound	
35	37.87	0.75%	UK Compound	

