

## **Exploring the Impact of Spirit Distillation Rate on Floral Aromas in Single Malt Whisky**

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**Table S1.** Concentrations of the studied volatile compounds ( $\mu\text{g/L}$ ) found in the five spirit-distillation samples

	Spirit-Distillation Samples				
	SD-A	SD-B	SD-C	SD-D	SD-E
<b><i>Ethyl esters</i></b>	<b>78 458.5</b>	<b>84 377.8</b>	<b>66 798.9</b>	<b>82 191.2</b>	<b>76 596.7</b>
Ethyl propanoate	1094.9	634.3	558.2	584.3	707.0
Ethyl 2-methylpropanoate	477.6	518.3	546.7	622.9	522.8
Ethyl butanoate	25824.1	27782.2	20990.2	27116.9	27972.4
Ethyl 2-methylbutanoate	58.7	66.1	64.4	72.3	62.2
Ethyl 3-methylbutanoate	101.7	130.4	128.7	148.4	125.5
Ethyl hexanoate	5335.8	5808.0	4355.5	5727.2	5833.2
Ethyl octanoate	23843.6	23175.6	20623.8	24503.5	21490.2
Ethyl decanoate	10790.0	12464.7	10179.2	11716.4	10014.7
Ethyl dodecanoate	10932.2	13798.2	9352.2	11699.4	9868.6
<b><i>Esters acetates</i></b>	<b>43 562.3</b>	<b>35 375.6</b>	<b>29 508.3</b>	<b>32 679.7</b>	<b>35 468.1</b>
Propyl acetate	70.6	52.6	38.9	45.8	47.3
2-methylpropyl acetate	2343.5	2124.4	1544.6	1904.5	2022.9
2-methylbutyl acetate	2189.3	2947.4	1967.2	1701.2	2602.8
Isoamyl acetate	33780.7	26226.6	21254.9	23938.5	26447.7
Hexyl acetate	432.4	452.7	278.5	365.9	406.6
Phenethyl acetate	4745.9	3572.0	4424.1	4723.7	3940.9
<b><i>Hydroxyl esters</i></b>	<b>1 187.1</b>	<b>2 191.5</b>	<b>2 035.9</b>	<b>2 729.1</b>	<b>2 670.0</b>
Ethyl 2-hydroxy-3-methylbutanoate	29.0	42.1	50.1	67.8	59.2
Ethyl 2-hydroxy-4-methylpentanoate	941.3	1525.5	1710.9	2327.5	2315.1
Ethyl 6-hydroxyhexanoate	216.9	623.9	274.8	333.9	295.8

	<i>SD-A</i>	<i>SD-B</i>	<i>SD-C</i>	<i>SD-D</i>	<i>SD-E</i>
<b><i>Monoterpenic compounds</i></b>	<b>644.9</b>	<b>771.6</b>	<b>757.8</b>	<b>724.8</b>	<b>751.4</b>
Terpinolene	140.6	215.7	171.9	136.5	178.1
Linalool	364.0	374.7	413.3	433.2	360.9
$\alpha$ -Terpineol	27.7	30.1	31.7	37.5	29.6
$\beta$ -Citronellol	73.0	103.9	100.7	114.8	266.1
Geraniol	39.7	47.3	40.2	33.9	46.2
<b><i>Norisoprenoids</i></b>	<b>178.4</b>	<b>180.6</b>	<b>157.0</b>	<b>200.6</b>	<b>192.5</b>
$\beta$ -damascenone	178.4	180.6	157.0	200.6	192.5