

## Re: removing ethanol from wine

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*Source:* <http://sci.tech-archive.net/Archive/sci.chem/2005-12/msg00384.html>

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- *From:* "Ron Jones" <[ron@xxxxxxxxxxxxxxxx](mailto:ron@xxxxxxxxxxxxxxxx)>
  - *Date:* Mon, 19 Dec 2005 19:32:26 -0000
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dave e wrote:

> Ron Jones wrote:

>> dave e wrote:

>>> john@xxxxxxxxxxx wrote:

>

> snip

>>> And I can think of the following caveats:

>>>

>>> As someone else already pointed out in this thread, heating wine to

>>> 79 degrees C will drive off other flavor components along with the

>>> alcohol.

>>>

>>

>> \*No\*. Try a phase diagram – vapourous and liquidous!. You will

>> \*not\* rid the wine of ethanol until the vapour temperature reaches

>> 100°C, the vapour temperature will not suddenly jump from 78C to

>> 100C, (unless you have a substantial fractionating column), but will

>> slowly change with the amount distilled.

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>>

>> --

>> Ron Jones

>>

>> Don't repeat history, see unreported near misses in chemical

>> lab/plant

>> at <http://www.crhf.org.uk>

>> Only two things are certain: The universe and human stupidity; and

>> I'm not certain about the universe. ~ Albert Einstein

>

> What would happen if one had a 15% solution of ethanol in water on the

> countertop, open, in a well ventillated room, not at 78 or 100C, but

> evaporating slowly at room temperature.

>

> The ethanol will evaporate more quickly, won't it?

>

> Or weeks later, do you still have 15% alcohol in the remaining volume

> of liquid (assuming no one has drunk it in the meantime).

>

Re: removing ethanol from wine

Although that's not at the boil, the rate of loss of ethanol will still depend on the concentration. You would still lose a considerable amount of water before \*all\* the ethanol was removed.

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Ron Jones

Don't repeat history, see unreported near misses in chemical lab/plant at <http://www.crhf.org.uk>

Only two things are certain: The universe and human stupidity; and I'm not certain about the universe. ~ Albert Einstein

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• **References:**

- ◆ **[removing ethanol from wine](#)**
    - ◇ From: john
  - ◆ **[Re: removing ethanol from wine](#)**
    - ◇ From: N:dlzc D:aol T:com \((dlzc\)
  - ◆ **[Re: removing ethanol from wine](#)**
    - ◇ From: dave e
  - ◆ **[Re: removing ethanol from wine](#)**
    - ◇ From: john
  - ◆ **[Re: removing ethanol from wine](#)**
    - ◇ From: dave e
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