

Test Report

Measure of effectiveness of the „LeCool“ Wine cooling Stick

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|--------------------|--------------------|------------------------|---|-----------------|-------|
| Date | 26.- 27.09.2019 | Time | 10h45 | | |
| Object | Wine cooling Stick | Place | TTM SA , Z.I. Iles Falcons, 3960 Sierre 1 ^{er} floor | | |
| Test person | Laurent Rüeger | Temperatur Room | 20-23°C | Wheather | Sunny |

Description

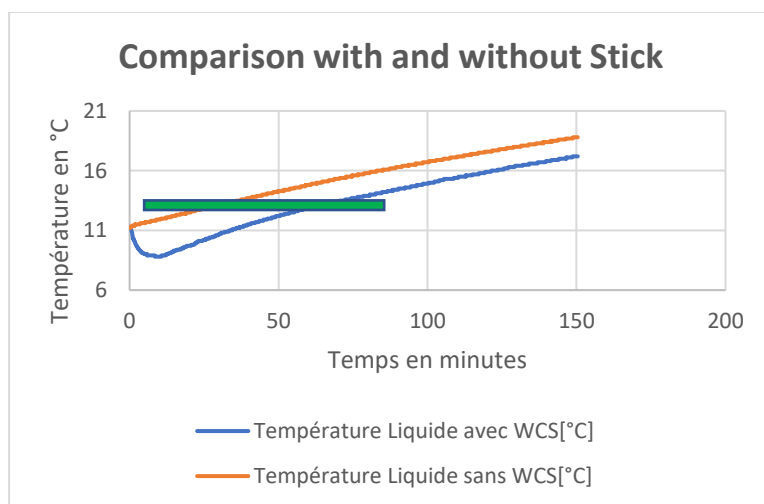
The tests started on 26.09.2019 at 11.30 and lasted 2 days. The tests were conducted in the meeting room on the 1st floor at TTM. Air temperature: 20-23 ° C.

Objective

The aim of the study is to measure the cooling effect of the cooling stick, with a liquid in a 0.75 liter bottle at 11.2 ° C, compared to a liquid in a bottle without a cooling stick

Result

In comparison to a situation without a cooling stick, **the cooling stick extends the time until the liquid reaches the defined limit temperature to enjoy a cool wine of 13 ° C, by 34 minutes.**



Test Material, Specifications

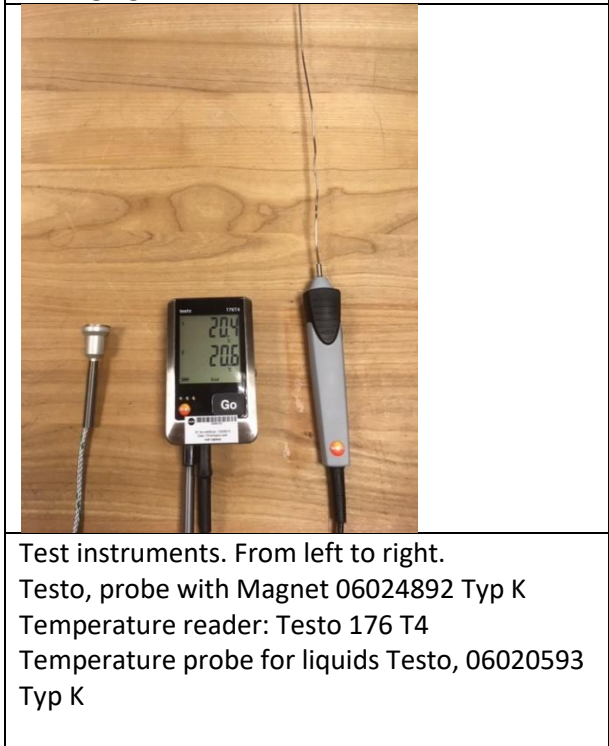
Temperature reader: Testo 176 T4

Temperature probe for liquids Testo, 06020593 Typ K

Temperatur probe room: Testo, probe with Magnet 06024892 Typ K

Container: 0.7 L bottle

Liquid: water



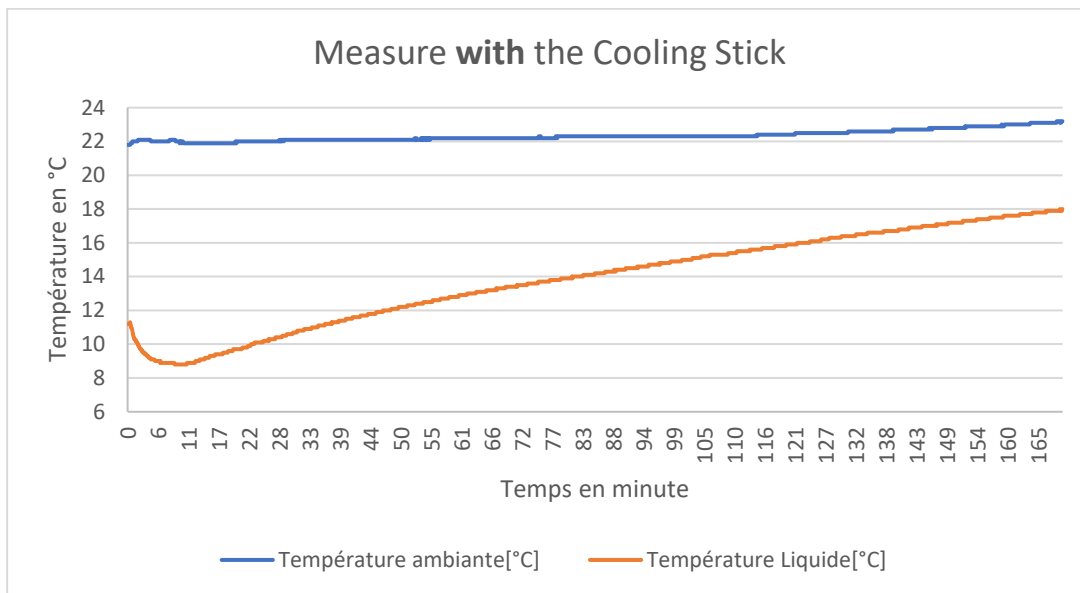
Test 1: 26.09.2019, 11h30. WITH cooling stick

Temperature, Start

Water in bottle: 11.2°C

Room : 21.8°C

Temperature Cooling stick (our of Freezer) : -20,5°C



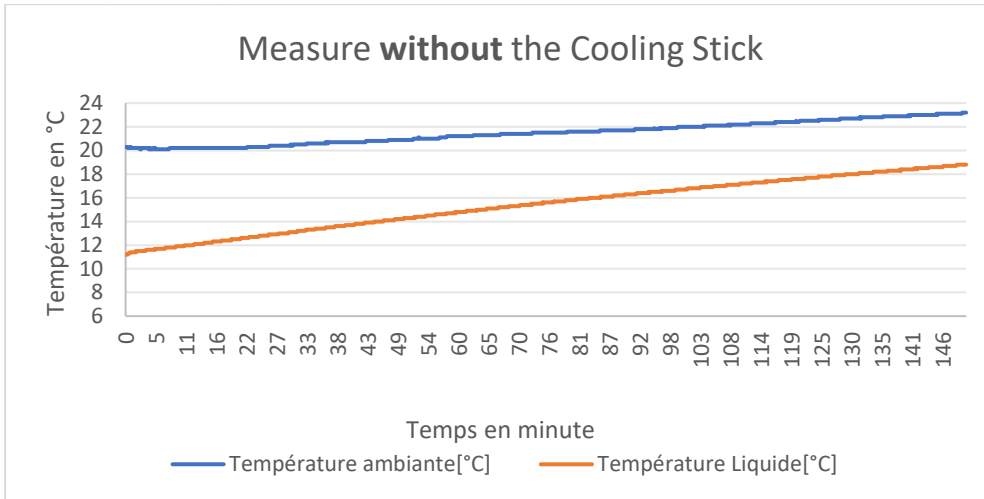
The temperature of the liquid with the cooling stick first drops after 10 minutes from 11.2 ° C to 8.8 ° C. The defined limit temperature of 13 ° C is reached after 63 minutes. The room temperature is 22.2 ° C after 63 minutes

Test 2: 27.10.2019, 10h45. WITHOUT cooling stick

Temperatur, Start

Water in bottle: 11.2°C

Room : 20.2°C



The liquid has a minimum temperature of 11.2 ° C. The defined limit temperature of 13 ° C is reached after 29 minutes. The room temperature is 20.4 ° C after 29 minutes.

Result

In comparison to a situation without a cooling stick, the cooling stick extends the time until the liquid reaches the defined limit temperature to enjoy a cool wine of 13 ° C, by 34 minutes.

