

SUPPLEMENTARY DATA

Mezzatesta, D., Fontana, A., Urvieta, R., Catania, A., Buscema, F., Piccoli, P., & Berli, F. (2025). Phenolic and sensory profiles distinguish Malbec wines according to intra-vineyard soil effective depth across different vintages. *OENO One*, 59(4).
<https://doi.org/10.20870/oeno-one.2025.59.4.9460>



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Table S1. Composition of sensory reference standards used to define aroma and taste attributes.

Attribute/Descriptor	Composition
Aroma	
Red fruits	5 g fresh strawberries, 5 g fresh blueberries, 5 g frozen raspberries, and 5 g frozen blackberries
Plum	20 g fresh skinless plums
Jam	10 g plums
Roses	0.5 ml rose water + 40 ml distilled water
Violet	Beta-ionone solution in wine
Raisins	5 g chopped raisins
Herbaceous	7 g chopped poplar leaf + 40 mL distilled water
Tea	5 g loose-leaf tea
Mint	2 fresh leaves + 40 mL distilled water
Pepper	0.5 g mix of black and white pepper + 40 mL distilled water
Green pepper	5 g chopped green pepper
Dried fruits	3 g almonds + 3 g peeled walnuts
Vanilla	0.5 mL vanilla extract + 40 mL distilled water
Chocolate	5 g shaved dark chocolate (60 % cacao)
Alcohol	20 mL Absolut vodka
Mineral	50 g gravel + 5 mL distilled water + 3 mL limestone water extracted from stony soils
Leather	1.5 g cow leather + 5 mL distilled water
Oak	7 g medium-toast oak chips + 200 mL distilled water for 4 hours
Earthy	25 g peat
Fig	2.5 g dried figs
Taste/Mouthfeel	
Sweet	15 g sucrose + 750 mL distilled water
Bitter	1.12 g caffeine + 750 mL distilled water

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Acidic	2.25 g tartaric acid + 750 mL distilled water
Astringent	1.25 g aluminium ammonium sulfate + 750 mL distilled water
Spicy	0.75 g cayenne pepper + 750 mL distilled water
Viscosity	4.5 g carboxymethyl cellulose + 750 mL distilled water
Alcohol	15 % v/v Absolut vodka
