

# Effect of Agave *tequilana* Weber blue variety age on quality and authenticity parameters of the Tequila 100% agave silver class: evaluation at the industrial scale level.

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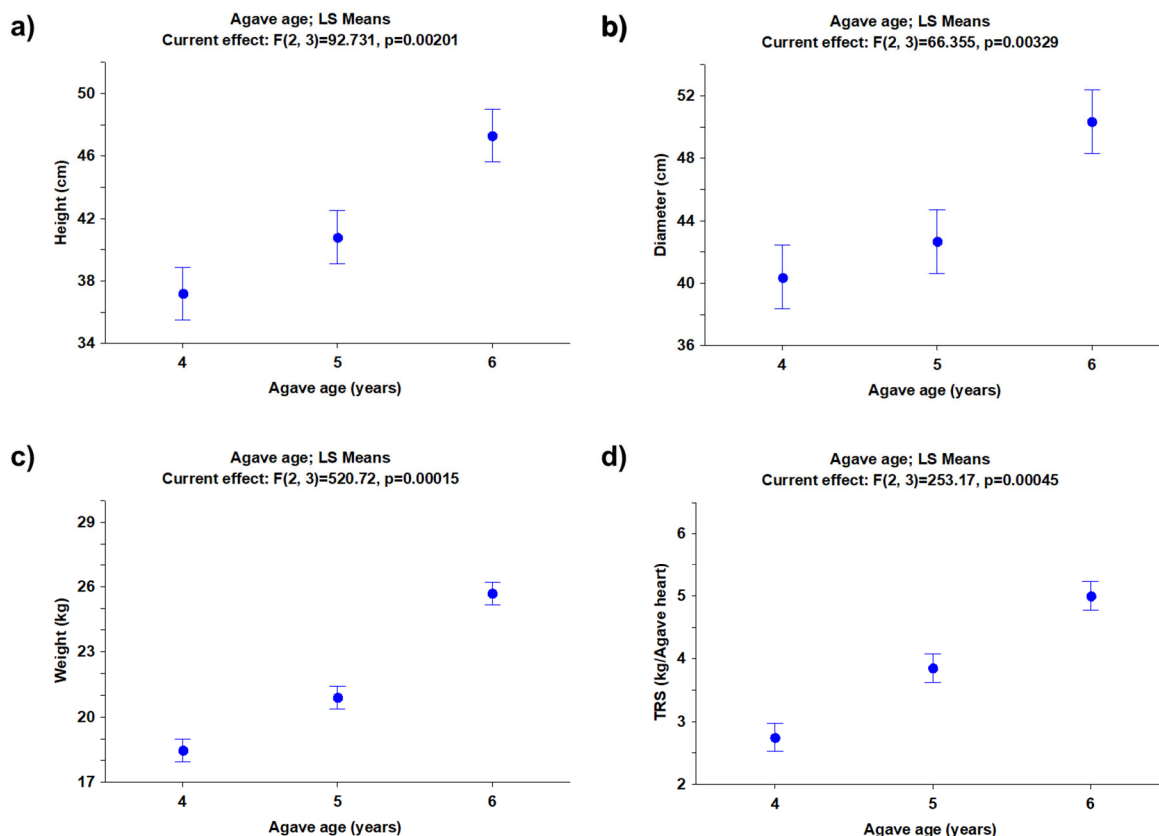
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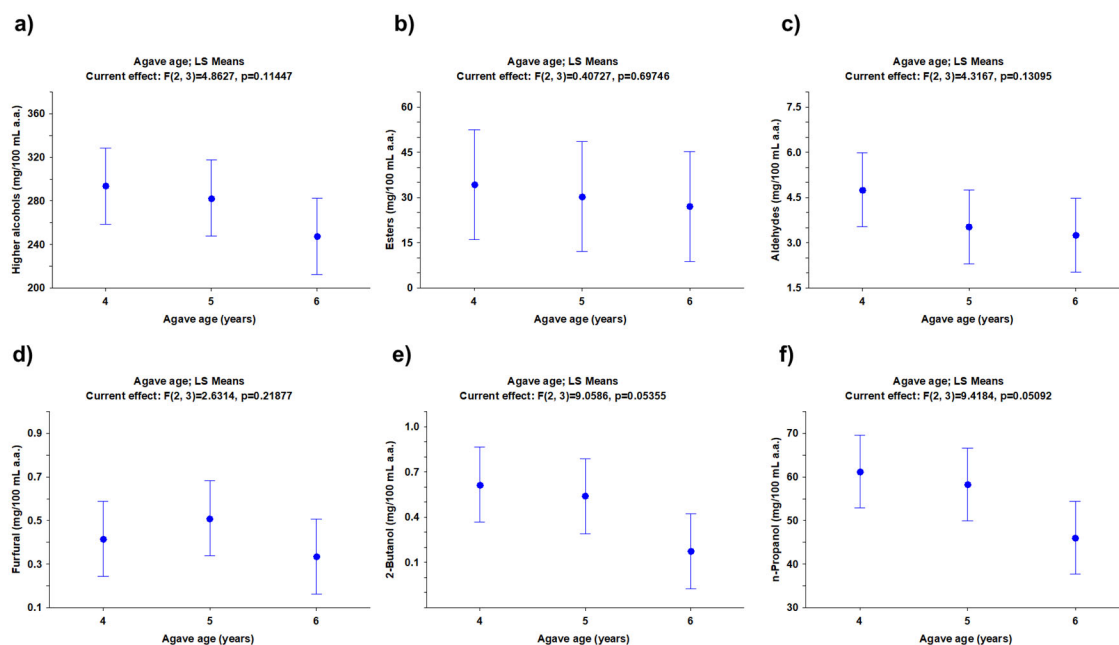
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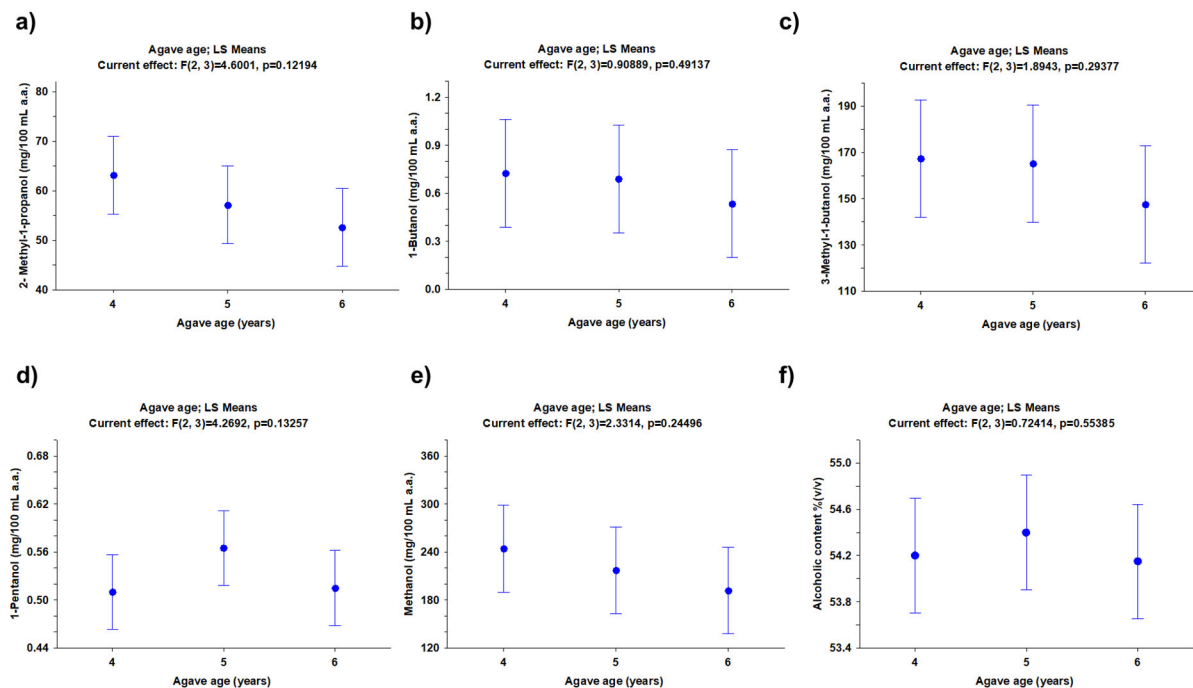
## Supplementary Materials



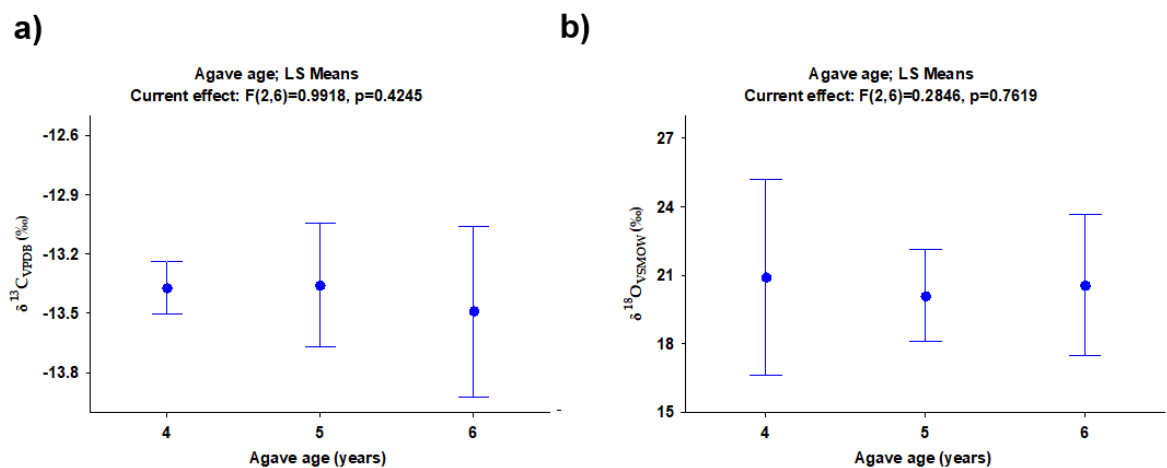
**Figure S1.** Statistical analysis of the physicochemical characterization of the agave hearts from different ages: (a) Height (cm), (b) Diameter (cm), (c) Weight (kg), (d) TRS (kg/Agave heart).



**Figure S2.** Statistical analysis of the congeners in the final product (tequila 100% agave silver class): (a) Higher alcohols (mg/100 mL a.a.), (b) Esters (mg/100 mL a.a.), (c) Aldehydes (mg/100 mL a.a.), (d) Furfural (mg/100 mL a.a.), (e) 2-Butanol (mg/100 mL a.a.), n-Propanol (mg/100 mL a.a.).



**Figure S3.** Statistical analysis of higher alcohols the final product (tequila 100% agave silver class): (a) 2-Methyl-1-propanol (mg/100 mL a.a.), (b) 1-Butanol (mg/100 mL a.a.), (c) 3-Methyl-1-butanol (mg/100 mL a.a.), (d) 1-Pentanol (mg/100 mL a.a.), (e) Methanol (mg/100 mL a.a.), alcoholic content % (V/V).



**Figure S4.** Statistical analysis of isotopic ratio of the final product: (a)  $\delta^{13}\text{C}_{\text{VPDB}} (\text{‰})$ , (b)  $\delta^{18}\text{O}_{\text{VSMOW}} (\text{‰})$  (tequila 100% agave silver class).