

SENSORY EVALUATION WorldKeg vs. Returnable Stainless Steel Keg

An artificial aging test conducted at **VLB Berlin - Research Institute for Beer and Beverage Production** – showed that WorldKegs even under extreme conditions (4 days @ 60°C) as they may occur during overseas container transport, not only proved to be safe and robust containers but also showed similar results in respect to flavor and taste of the packaged beverage like ordinary returnable stainless steel kegs.

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Triangle test

Table 3: Analytical results of beer

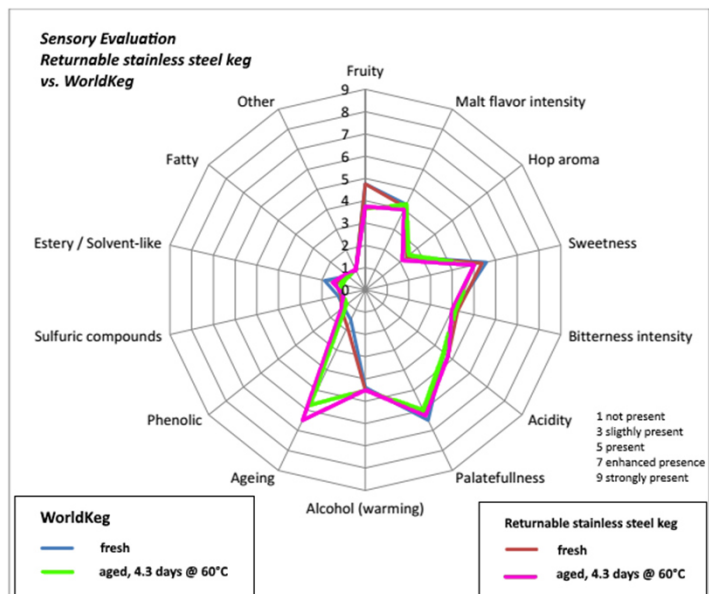
Test	Method	Samples	Correct answer	Wrong answer	Significant difference ^a
Triangle test	MEBAK Band II, 4 th Ed. 2002, Ch. 2.34.7	P12017-0092 P12017-0093	4	4	No

^astatistical significance level: 0,05% P12017-0092 WorldKeg, aged 4.3 days @ 60°C
P12017-0093 Returnable stainless steel keg, aged 4.3 days @ 60°C

With a statistical significance level of $\alpha = 0,05\%$, there is no a significant difference between the samples.

Best regards,

i.A. Aidan Griffiths
VERSUCHS- UND LEHRANSTALT FÜR BRAUEREI IN BERLIN (VLB) e.V.
Research Institute for Beer and Beverage Production (FIBGP)



STABILITY ASSESSMENT WorldKeg at High Pressure



Burst pressure tests conducted at **TÜV Thüringen** showed burst pressures in the range of 9.6 and 11.2 bars for WorldKegs including the keg fitting. In every case the WorldKeg bursted as planned near the welding seam without any flaking parts. This makes WorldKegs a much safer and also more resistant container for beer, wine and other liquids than comparable PET plastic kegs.

WorldKeg couplers were able to stand pressure between 10.1 and 11.2 bars like additional tests of TÜV Thüringen showed.

