

**Product Specification FERMOALE GERMAN K**

## FERMOALE GERMAN K

Top-fermenting yeast strain for traditional Kölsch and Altbier varieties as well as a range of beers for which a neutral and clear malt character is important, such as Cream Ales and California Common (a warm-fermented lager variety).

**Aroma and taste characteristics:**

Gives a neutral profile that allows the expression of malt characters to give a dry clean finish. There is a very low level of diacetyl and subtle ester notes of pear, apple and citrus

**Properties:** Allergen-free, GMO free

**Brewery properties**

Parameter	Minimum	Maximum	Unit
Apparent attenuation	75	80	%
Fermentation temperature (°C)	13	21	°C
Fermentation temperature (°F)	55	70	°F
Flocculation	Medium		
Alcohol tolerance	11		% ABV
Total esters	Low		
H2S (sulphur notes)	Low		
POF (phenolic notes)	Negative		
STA-1	Negative		

**Pitching Rate / Dosage**

Pitch directly into the wort in the fermenter, at pitch rate of:

50 - 80g/hl of cool wort at 13-21°C / 55-70°F

The pitch rate is dependent on the brewing process conditions and will affect the fermentation performance and the final taste profile of the beer.

High gravity, high adjunct or high acidity fermentations may require higher pitching rates and the addition of yeast nutrients.

**Yeast strain**

Saccharomyces cerevisiae

**Origin**

Deutschland

**Beer styles**

Traditional Kölsch and Altbier styles; and also a range of ales where a neutral and clean malt character is important, such as Cream ales and California Common (a hybrid Ale-Lager style).

**Shipping units**

Available in 500g net foil packs containing 1kg.

Available in 500g net foil packs containing 10kg.

**Shelf life**

Shelf life is 36 months from production date.

Do not use after the expiry date shown on the pack.

**Food safety**

This product is GMO free.

This product is allergen-free.

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**Note**

If possible, store in vacuum-sealed packaging, dry and odor-free at 4°C / 40°F.

Avoid contact with air. Do not freeze.

Once the packaging has been opened, the yeast should be used immediately.

AEB Brewing Yeast are tested to a high and rigorous standard and are only released to the market when all quality, safety and reliability parameters are met.

**Microbiological properties**

<b>Yeast Viability</b>	> 0,5 x 10 <sup>10</sup>	cfu/g
<b>Other yeasts</b>	10 <sup>3</sup>	cfu/ml*
<b>Moulds</b>	1	cfu/ml*
<b>Acetic bacteria</b>	1	cfu/ml*
<b>Lactic Bacteria</b>	1	cfu/ml*
<b>Coliforms</b>	1	cfu/ml*
<b>Escherichia coli</b>	10	cfu/g
<b>Staphylococcus aureus</b>	10	cfu/g
<b>Salmonella spp</b>	Absent / 25g	cfu/g

\* inoculation of 100 g/hl yeast

**Use**

It is generally recommended that active dry yeast is pitched directly into the wort without prior rehydration. If direct pitching is not feasible the yeast can be hydrated and pitched in liquid form. To rehydrate dissolve the dry yeast in sterile water or in wort at 13-21°C / 55-70°F at a ratio of 1:10. Stir gently and leave for approximately 20 minutes. Gently stir again and add to the cooled wort in the fermenter. To avoid yeast stress, ensure temperature fluctuations are minimal.

Heidelberg, November 2024



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