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## Technical Data Sheet

### Helles Fire Club Liquid Yeast

#### Description

Helles Fire Club was developed and manufactured by WHC Lab.

Helles Fire Club is a 10hl pitchable yeast with the cell count needed to be pitched into 1000L of wort with a gravity of less than 1.060. For higher gravity beers, two or three pouches may be needed. Please email [sales@whclab.com](mailto:sales@whclab.com) if you need any help with calculating the amount of yeast needed.

#### Style

Bock, German Lagers, Helles, Lagers, Pilsner

#### Guidelines

Pitch sizes are for standard gravity wort.

For starting gravity above 1.065 please order double the pouches.

For gravity above 1.080 order triple the amount of yeast.

The intended fermentation temperature range is 10°C to 16°C [50°F to 61°F].

#### Ingredient Declaration

Yeast [*Saccharomyces pastorianus*]

#### Technical Specifications

Yeast Strain	<i>Saccharomyces pastorianus</i>
Fermentation Temperature	10°C to 16°C <b>or</b> 50°F to 61°F
ABV Tolerance	11%
Nitrogen Demand	Medium
Attenuation	70% to 74%
Flocculation	Medium to High

#### Allergens

Helles Fire Club Liquid Yeast contains **gluten** (Barley).

\*EU Regulation 1169/2011 (Food Information Regulations) (Annex II)

#### GMO

Helles Fire Club Liquid Yeast does not contain genetically modified organisms or materials.

## Product Characteristics Specifications

Dry matter (%): < 30

Viability (%): > 90

Wild Yeast (cfu/g): < 3\*10<sup>3</sup>

Aerobic bacteria (cfu/g): < 5\*10<sup>3</sup>

## Packaging

Helles Fire Club Liquid Yeast is available in plastic polytainer packs.

This material complies with relevant food-contact legislation, including, EU Regulation 1935/2004 (materials intended for contact with food), EU Regulation 1245/2020 (plastic materials intended for contact with food), EU Regulation 2023/2006 (GMP for materials intended for contact with food), and FDA CFR 21 (174-179) (USA).

There is at least 1kg of wet weight yeast contained in each pack.

## Storage and Handling

Storage Conditions:	For optimal viability, refrigeration (2°C to 4°C) is recommended until the day of use. Not suitable for freezing.
Shelf life:	4 months from date of production, if seal is not broken, and if stored as outlined above.
Handling:	<p>It is recommended to use all the fresh yeast once the polytainer seal is opened. Where this is not practical, immediately re-seal the opened polytainers after use, store in the refrigerator (2°C to 4°C) and use within 2 to 3 days for maximum activity.</p> <p>Please note best before the date prior to opening.</p> <p><b>Please request a Material Safety Data Sheet/MSDS for further advice.</b></p>

If you have any questions or concerns about our product please contact us at [lab@whclub.com](mailto:lab@whclub.com)