



## Technical Data Sheet

### Lactobacillus Plantarum-Dehydrated (500g)

#### Product Description

**Dehydrated Lactobacillus Plantarum** is a product developed by WHC Lab.

A dehydrated lactobacillus culture for kettle souring and mixed fermentation. Produces a quick clean pH drop and a citrus aroma that pairs nicely with both fruit and hops. IBU intolerant.

#### Guidelines

Use 10g to 25g per 100l of wort, pitch at 35-37C for quickest souring. We recommend to use no hops in the kettle at all if kettle souring. Top tip for a quick sour in the fermenter pair with one of our kveik products to get souring and fermentation at the same time at 35/36C. If you repitch this yeast into another IBU negative wort you will also get fermenting and souring and this can be repeated multiple times.

The intended fermentation temperature range is 35°C to 37°C.

#### Ingredient Declaration

*Lactobacillus plantarum*, maltodextrin qsp. as carrier

#### Technical Specification

Strain	<i>Lactobacillus Plantarum</i>
Fermentation Temperature	35°C to 37°C
Weight	0.25 kg

#### Physical, Chemical and Microbiological properties

Parameter	Unit of Measure	Value	Specification Value
Appearance	-	Powder	-
Odor	-	Free from foreign and off odors	Typical
Color	-	Yellow to brown	Light brown/beige
Moisture	%	≤ 8	≤ 8
Viable Count	Cfu/g	≥10 <sup>11</sup>	≥10 <sup>11</sup>
Moulds	Cfu/g	≤ 1000	≤ 1000
Coliform	Cfu/g	≤ 1000	≤ 1000
<i>Pathogenic Bacteria</i>	-	Negative	Negative

## Allergens\*

Dehydrated Lactobacillus Plantarum contains no added allergens.

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

## GMO

Dehydrated Lactobacillus Plantarum does not contain genetically modified organisms or materials.


## Packaging

Dehydrated Lactobacillus Plantarum is available in 250g vacuum-packed silver foil 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).

## Storage and Handling

Storage Conditions:	Store at cool to ambient temperatures (ideally 5°C to 15°C), dry, and well-ventilated environment.
Shelf life:	3 years from date of production, if vacuum seal is not broken, and if stored as outlined above.
Handling:	Once opened, re-seal to keep out air and water. For best results, store re-sealed packs in a refrigerator (0°C to 10°C) and use promptly. Please note expiry date on packs prior to opening.  <b>Note:</b> Please refer to the Material Safety Data Sheet/MSDS for further advice.

## Flavour Chart

Dark fruit	Clean	Tropical Fruit	Banana	Green Apple	Citrus	Candy	Grassy	Bubblegum
								
LOW	LOW	HIGH	LOW	LOW	HIGH	MEDIUM	LOW	LOW

## Beer Styles

Sours