









Technical Data Sheet

Lactobacillus plantarum bacteria

Product Description

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.

Guidelines

We recommend to use no hops in the kettle at all if kettle souring, strain is hop intolerant.

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 34°C to 36°C. If you re-pitch 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 34°C to 36°C [93°F to 97°F]

Ingredient Declaration

Lactobacillus plantarum, maltodextrin qsp. as carrier

Technical Specification					
Strain	Lactobacillus plantarum				
Dosage	10-25g/hl				
Fermentation Temperature	34°C to 36°C 93°F to 97°F				
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	≥1011	≥1011						
Moulds	Cfu/g	≤ 1000	≤ 1000						
Coliform	Cfu/g	≤ 1000	≤ 1000						
Pathogenic Bacteria	-	Negative	Negative						

Allergens*

Lactobacillus plantarum bacteria does not contain added allergens. *EU Regulation 1169/2011 (Food Information Regulations) (Annex II)

Lactobacillus plantarum bacteria does not contain genetically modified organisms or materials.

Packaging

Lactobacillus plantarum bacteria 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 41°F to 59°F), 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.			
	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 or 32°F to 50°F) and use promptly. Please note expiry date on packs prior to opening.			
Handling:	When added to water or a water solution, Lactobacillus plantarum bacteria releases CO ₂ , especially on substrates high in sugars or starch. Ensure adequate ventilation to keep levels below advised exposure limits. Please request a Material Safety Data Sheet/MSDS for further advice.			
Electronic Object				

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Flavour Chart										
Dark fruit	Clean	Tropical Fruit	Banana	Green Apple	Citrus	Candy	Grassy	Bubblegum		
W.	+ 4 +			Y			XIII			
	•									
LOW	LOW		LOW	LOW		MEDIUM	LOW	LOW		
Beer Styles										
Sours										

If you have any questions or concerns about our product please contact us at lab@whclab.com

Lab Prepared by: The Quality Department at WHC Lab