



Technical Data Sheet Hercules Dehydrated Yeast

Product Description

Hercules Dehydrated Yeast is developed by WHC Lab.

Hercules is a newly developed distillers yeast that produces complex congeners including dark fruits, and leather. Perfect for grain-based spirits that will be barrel-aged to add to the complexity of the spirit produced from the wash.

This yeast is characterized as having fast and reliable fermentation, making it a great house whiskey strain.

Guidelines

Oxygenation and/or rehydration may not be needed.

Pitch rate: 70-100g/hl

The intended fermentation temperature range is 28°C to 38°C [82°F to 100°F]

Ingredient Declaration			
Yeast	98.8% to 99.2%		
Emulsifier E491*	0.8% to 1.2% (*Sorbitan Monostearate)		
Technical Specification			
Yeast Strain	Saccharomyces cerevisiae		
Dosage	70-100g/hl		
Fermentation Temperature	28°C to 38°C 82°F to 100°F		
ABV Tolerance	16%		
Nitrogen Demand	Medium		
Weight	0.5 kg / 10 kg		

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Physical, Chemical and Microbiological properties				
Parameter	Unit of Measure	Value	Specification Value	
Appearance	-	Fine granules (typically 3mm particle size)	-	
Powder flow characteristics	-	Free flowing granules	-	
Odor	-	Weak characteristic yeast smell	Typical	
Color	-	Light brown/beige	Light brown/beige	
Solubility	-	Miscible in water & ethanol solutions	-	
Dry matter	%	95.4	> 92	
Moisture	%	4 to 6	< 8	
Total Yeast Plate Count	Cfu/g	1.3 x 10 ¹⁰	>1010	
Direct Live Cell Count	Cells/g	1.9 x 10 ¹⁰	> 1.9 x 10 ¹⁰	
Lactic Acid Bacteria	Cfu/g	< 10	< 103	
Acetic Acid Bacteria	Cfu/g	< 10	< 104	
Wild Yeasts	Cfu/g	< 10	< 105	
Moulds	Cfu/g	< 10	< 102	
Coliforms	Cfu/g	< 10	< 102	
Escherichia coli	Cfu/g	Absent in 1 g	Absent in 1 g	
Staphylococcus aureus	Cfu/g	Absent in 1 g	Absent in 1 g	
Salmonella spp	Cfu/g	Absent in 25 g	Absent in 25 g	

Allergens* Hercules Dehydrated Yeast does not contain added allergens.

Listeria monocytogenes

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

Cfu/g

GMO

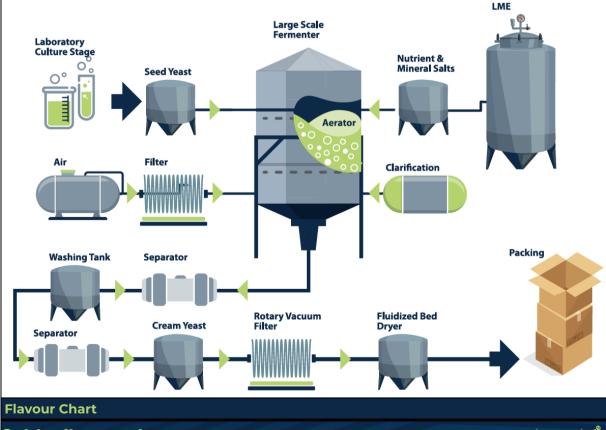
Hercules Dehydrated Yeast does not contain genetically modified organisms or materials.

Absent in 25 g

Packaging Hercules Dehydrated Yeast is available in 500g and 10kg 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 or 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.
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 or 32°F to 50°F) and use promptly. Please note expiry date on packs prior to opening.
Tranding.	When added to water or a water solution, Hercules Dehydrated Yeast 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.
Manufacturing Chart	





Prepared by:

Absent in 25 g

The Quality Department at WHC Lab