

TECHNICAL DATA SHEET

Product: Dry brewery yeasts
Issue Number: 17/19
Issue Date: October 2019

Product information: 100% Dry brewery yeasts (*Saccharomyces cerevisiae*),
dried on a **spray dryer**

Appearance: Light beige powder

Organoleptic Characteristics:

Odor: Specific yeast (ISO DSTU 7344:2013)
Taste: Specific yeast with slight beery note (ISO DSTU 7344:2013)

Applications: For various applications, e.g. as a functional feed ingredient or for use
in feed supplements

Ingredients: 100% Dry brewery yeasts (*Saccharomyces cerevisiae*)

Chemical:

Dry matter	91,5% minimum
Protein	43(±2)% minimum (anhydrous basis)
Fat	2% maximum (anhydrous basis)
Ash	6,5% maximum (anhydrous basis)
pH	4,0 – 6,0%

Physical: Particle Size about 100 - 70 mesh (100 – 200 microns)

Microbiological:

Total aerobic count	80000 CFU/g maximum (ISO DSTU 7344:2013)
Yeast (active)	1000 CFU/g maximum
Mould	25 CFU/g maximum
Coliforms	negative in 25 g
E.coli	negative in 25 g
Staphylococcus Aureus	negative in 25 g
Salmonella	negative in 25 g

TECHNICAL DATA SHEET

<u>Heavy Metals:</u>	Lead (Pb)	≤ 2,0 mg / kg (ISO DSTU 7344:2013)
	Mercury (Hg)	≤ 0,1 mg / kg (ISO DSTU 7344:2013)
	Cadmium (Cd)	≤ 0,4 mg / kg (ISO DSTU 7344:2013)
	Arsenic (As)	≤ 1,0 mg / kg (ISO DSTU 7344:2013)
<u>Vitamins:</u>	Nicotinic acid (B3) content:	- 13,0 - 40,00 mg/100g
	Pyridoxine (B6) content:	- 0,50 - 1,53 mg/100g
	Thiamine (B1) content:	- 3,45 - 10,00 mg/100g
	Folic acid (B9) content:	- 2,00 - 3,17 mg/100g
	Pantothenic acid (B5) content:	- 10,80 - 18,00 mg/100 g
	Riboflavin (B2) content:	- 0,65 - 4,00 mg/100g
	Biotin (B7) content:	- 0,140 - 0,142 mg/100g
<u>Aminoacids: (approx.):</u>	Lysine	- 24,00±1 g/kg
	Methionine	- 7,630±1 g/kg
	Threonine	- 18,13±1 g/kg
	Leucine	- 25,50±1 g/kg
	Isoleucine	- 16,84±1 g/kg
	Valine	- 19,19±1 g/kg
	Histidine	- 10,21±1 g/kg
	Arginine	- 17,65±1 g/kg
	Serine	- 20,44±1 g/kg
	Alanine	- 23,30±1 g/kg
	Phenylalanine	- 15,82±1 g/kg
	Tyrosine	- 12,25±1 g/kg
	Glycine	- 18,31±1 g/kg
	Aspartic acid	- 33,28±1 g/kg
	Glutamic acid	- 62,82±1 g/kg
	Proline	- 22,31±1 g/kg



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TECHNICAL DATA SHEET

<u>Solubility:</u>	Soluble in water
<u>Origin of Raw Material:</u>	The Brewer's yeast cream is sourced from Ukrainian breweries (Carlsberg). Only natural ingredients like malt, hops, yeast and water are used for the propagation of the Brewer's Yeast.
<u>GMO status:</u>	No genetically modified organisms were used either in the yeast strains or the media grown upon; therefore this product is classified as GMP free
<u>Pesticide controls:</u>	Monitoring of pesticide residues is implemented in the HACCP System
<u>Legal status:</u>	Classified as feed additive
<u>Packaging:</u>	1 MT Big-bags, 20kg craft-bags with polyethylene inner bag
<u>Storage:</u>	Store in sealed containers and light protected in a cool, dry environment
<u>Shelf life:</u>	24 months after production date
<u>Certificates:</u>	ISO 9001:2015, ISO 22000:2007