

**PRODUCT INFO
& DATASHEET**

SICOYEAST CP48

DRIED BREWERS YEAST

Pure, natural and full of nutritive power

E10 - FEED GRADE

Brewers' Yeast (GB - USA) - Levure de bière (B - F) - Lievito di birra (I) - Levadura de Cerveza (SP) - Biergist (NL - B) - Bierhefe (D)

Brewer's Yeast consists of *Saccharomyces Cerevisiae*, a noble yeast cultivated on malt wort (sprouted barley) for beer production. After having played the role of ferment, transforming sugars into alcohol and CO₂-gas, the yeast is harvested by separating it from the beer. The "yeast cream" is plasmolysed by heat, and dried on hatmaker (roller). Product E 10 is finely ground.

1. TECHNICAL DATA

- Taste : typical yeast taste - very bitter
- Colour : pale brown
- Density : 0,4 - 0,6 g/cm³
- Particle size : fine E 10 admittance through 2 mm sieve 100 %
- Absence of filth, impurities and foreign material
- 100 % pure brewers' yeast.

2. CHEMICAL ANALYSIS

1) GENERAL

	range	typical
Proteins	45 - 50	48 %
Fat	0,5 - 2 %	1 %
Carbohydrates	31 - 44,5 %	38 %
Ash	5 - 8 %	7 %
Humidity	3 - 7 %	5 %
Crude fiber	1 - 2 %	1,1 %

2) VITAMINS

	range	typical
vitamin B1	80 - 120 mg/kg	100 mg/kg
vitamin B2	20 - 40 mg/kg	30 mg/kg
vitamin B6	20 - 40 mg/kg	30 mg/kg
vitamin PP	350 - 450 mg/kg	400 mg/kg
vitamin B12	0,1 - 0,2 mg/kg	0,15
pantothenic acid	40 - 70 mg/kg	55 mg/kg
biotine	0,5 - 1,5 mg/kg	1 mg/kg
para-amino benzoic acid	8 - 15 mg/kg	10 mg/kg
choline	3800 - 4500 mg/kg	4000 mg/kg
glutathion	5000 - 7000 mg/kg	6000 mg/kg
mesoïnositol	3,5 - 4,0 mg/kg	3,8 mg/kg

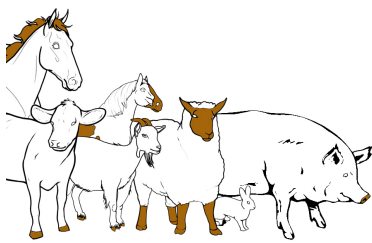
3) AMINO-ACIDS

	g/100 g dry matter	g/100 g protein
isoleucine	2,5	5,2
alanine	4,4	9,2
leucine	3,5	7,3
valine	2,5	5,2
glycine	2,4	5,0
methionine	1,0	2,1
cystine	0,4	0,8
m + c	1,4	2,9
phenylalanine	2,2	4,6
tyrosine	1,7	3,5
aspartic acid	4,8	10,0
threonine	2,6	5,4
glutamic acid	8,4	17,5

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SAP INTERNATIONAL CORPORATION bvba Krekelenberg 69, B-2980 Zoersel, Belgium
 Tel. +32-3-309.06.51 Fax. +32-3-309.19.31 Email : info@sico.be Website : www.sico.be

SICO FEEDS
 EVERY TIME THE *right* SOLUTION



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threonine	2,6	5,4
glutamic acid	8,4	17,5
tryptophane	0,7	1,4
lysine	4,0	8,3
proline	2,0	4,2
histidine	1,4	2,9
serine	3,0	6,2
arginine	2,5	5,2
RNA + DNA	5 to 6 % of the protein content	5,8 of the protein content

4) MINERALS

	<u>average</u>	
Phosphorous	P	1,5 %
Available phosphorous	P30	1,5 %
Calcium	Ca	0,8 %
Potassium	K	1,6 %
Magnesium	Mg	0,2 %
Sulfur	S	0,4 %
Sodium	Na	0,2 %
Iron	Fe	75 ppm
Copper	Cu	35 ppm
Zinc	Zn	40 ppm
Manganese	Mn	8 ppm
Selenium	Se	0,01 ppm
Iodium	I	3 ppm
Chrome	Cr	0,075 ppm
Lead	Pb	< 0,01 pp

3. ENERGY

Poultry	:	metabolisable energy	2425 Kcal/kg
Pigs	:	metabolisable energy	3540 Kcal/kg
Ruminants	:	milk	0,92 FU/kg
		meat	

4. BACTERIOLOGICAL QUALITY

Salmonellae	:	abs. in 25 g
Escherichia coli	:	abs. in 0,2 g

5. PACKING

bags 25 kg (paper or PP/PE) - big bags (PP/PE) +/- 1.000 kg

6. APPLICATIONS

- Poultry : at a rate of 1 to 2 % laying hens, guinea fowls, turkeys, ducklings and game. As anti-stress and during treatments with medicines
- Swine : piglets 2 to 5 % / sows 100 to 150 g/day at the end of gestation and during suckling.
- Ruminants : milking cows 0,5 to 2 % / fattening bulls 0,5 to 2 % / young calves 0,5 to 3 %
- Horses : 1 to 5 % / 100 g/day
- Fur animals : mink, foxes, wolves, rabbits 0,5 to 5 %
- Pet food : dogs 1 to 5 %
- Pigeons : 1 to 4 %
- Aquaculture :
 - salmonidae 2 - 4 % (2 - 8 % in the fry stage)
 - trout 1 - 4 %
 - eel 2 - 4 %
 - shrimps, prawns 1 - 5 %

High glutamic acid improving flavors
 High valuable amino-acid content
 Richest natural source of B-vitamins
 Improving feather and hair quality

Variations in colour and/or analysis do not influence quality, and are normal for biological products like yeast.

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