

## Product Specification

**BEST Heidelberg**

**Crop: 2015**

Produced from quality spring barley, BEST Heidelberg is the light color version of BEST Pilsen Malt. It is used especially for brewing beers extremely light in color. Using our unique process, BESTMALZ uses carefully selected grains before malting them. The malt characteristics are low protein levels, high extract content, very light color and high enzymatic activity.

Flavor: Typical malty taste, lemongrass

The following values are subject to harvest-specific variations. All analysis are performed by independent, certified laboratories according to MEBAK „Brew-Technical Analysis Methods“.

Parameter	Minimum	Maximum	Unit
Moisture content		5	%
Extract (dry substance)	80,5		%
Fine-coarse difference (EBC)		2	%
Viscosity (8,6%)		1,6	mPas
Friability	80		%
Glassiness		3	%
Protein, dry basis	9	11,5	%
Soluble nitrogen	610	750	mg/100g
Kolbach index	36	43	%
Wort color		2,9 / 1,5	EBC / L
Wort pH	5,8	6,1	
Grading > 2,5 mm	90		%
Diastatic Power	250		WK

<b>Raw Material:</b>	Spring barley
<b>Raw Material Source:</b>	Germany, France
<b>Ingredients:</b>	Barley, Water
<b>Recommended:</b>	Brewery, Food Industry
<b>For Brewery:</b>	Up to 100%
	For premium pilsner, lager, Märzen, ale, Kölsch, light beers
<b>For Food Industry:</b>	As required
<b>Shipping Units:</b>	25-kg/55-lb bag, 50-kg/110-lb bag, BigBag, bulk
<b>Shelf life:</b>	Under dry (< 35 RH %) clean storage conditions, within a temperature range of < 20° C (68° F), our products have a minimum shelf life of 24 months.

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### **Note:**

All raw materials are tested for traces of pesticides, mycotoxins, heavy metals and meet the requirements of VO (EG) 165/2010 and 369/2005.

BEST malts are tested regularly for N-Nitrosodimethylamine (NDMA). The nitrosamine content of BEST malts is below allowable thresholds.

All of BEST products are in compliance with VO (EG) Nr. 1829/2003, 1830/2003, 49/2000, 18/2001 and 50/2000, they are not radiated and do not contain any genetically modified raw materials, ingredients or additives.

All of BEST malts and packing are manufactured in strict conformity with DIN EN ISO 9001:2008 and HACCP (Hazard Analysis and Critical Control Points) food safety management system.

All of BEST malts comply with the German Beer Purity Law (Reinheitsgebot).

All of BEST malts are fully traceable according to the guideline EC/178/2002 from barley cultivation up to malt delivery.

### **Further properties:**

- Parameters:
  - o Plant impurities / foreign grain : max. 1 %
  - o Foreign matter (metal / glass) : absence
  - o No plant particles : max. 0,1 %
- Microbiology:
  - o Total plate count at 30° C (86 °F): max. 50 000 UFC / g
  - o Mould : max. 5 000 UFC / g
  - o E. Coli : max. 50 UFC / g
  - o Microorganisms sulfite reductors at 46° C (114,8 °F): max. 50 UFC / g
  - o Staphylococcus coagulasa positive at 37° C (98,6 °F) : max. 10 UFC / g
  - o Salmonella : absence / 25 g
- Mycotoxins:
  - o Aflatoxin B1 : max. 5 µg / kg
  - o Aflatoxin B1+B2+G1+G2 : max. 10 µg / kg
  - o Ochratoxin : max. 3 µg / kg
  - o Zearalenone : max. 300 µg / kg
  - o Deoxynivalenol (DON) : max. 1250 µg / kg
- Heavy metals:
  - o Lead : max. 0,2 mg / kg
  - o Cadmium : max. 0,1 mg / kg
- The product is ionization and radiation free

Heidelberg, December 2015



Head of Quality Management