



Product Specification Sheet

BREWERS COMPASS™ (20 kg)

Product number: 14271

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DSM Food Specialties B.V.

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The Netherlands

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Product Information

Product description	Enzyme preparation for food use containing α -amylases (alpha-amylase) from <i>Bacillus amyloliquefaciens</i> (<i>subtilis</i>) and <i>B. licheniformis</i> , endo-1,4- β -glucanases (cellulase) from <i>Talaromyces emersonii</i> and <i>Trichoderma longibrachiatum</i> , and endopeptidase (neutral protease) from <i>B. amyloliquefaciens</i>
Standardised activity	≥ 7500 RAU/g
Application market	Beer: Facilities brewing with up to 100% barley
Appearance	Light brown to dark brown liquid
Status	<ul style="list-style-type: none">• Kosher approved• Halal approved• Non GMO production strain• Allergen statement available on request
Country of Origin	France

Regulatory information

The products are in compliance with the general specifications for food enzyme preparations regarding heavy metals and microbiological properties as published in the Food Chemicals Codex, Ed. VIII, 2012 and by JECFA. The analytical methods used are derived from international standardized methods like FCC, ISO or JECFA.

Chemical properties

pH	5.5 - 6.5
Heavy metals	< 30 ppm (as Pb)
Lead	< 5 ppm
Arsenic	< 3 ppm
Mercury	< 0.5 ppm
Cadmium	< 0.5 ppm



Microbiological specification

Total plate count	< 1000 CFU per g
Coliforms	< 15 CFU per g
Salmonella	absent in 25 g
<i>Escherichia coli</i>	absent in 25 g
<i>Staphylococcus aureus</i>	absent in 1 g
Yeasts	< 10 per g
Moulds	< 10 per g
Sulphate reducers	< 30 CFU per g
<i>Pseudomonas aeruginosa</i>	< 10 per g
Lactobacillus	< 5 per g
Anti bacterial activity	absent by test
Mycotoxins	absent by test

Composition

Carrier	glycerol \geq 40.0 %
	NaCl \geq 5.0 %

Stability data

- Store under refrigerated conditions (below 5°C).
- When stored in recommended condition, the activity loss will be less than 5% within 12 months

Packaging

20 kg

Safety & Handling

Please refer to the Material Safety Data Sheet available on request

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