



## Product Specification Sheet

### BREWERS CLAREX<sup>®</sup> (1 kg bottle)

Product number: 21672  
Last revision: 24 August 2017

DSM Food Specialties B.V.

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The Netherlands

[www.dsm.com](http://www.dsm.com)

#### Product Information

Product description	Enzyme preparation for food use containing proline-specific endopeptidase (endo protease) derived from a selected strain of <i>Aspergillus niger</i>
Standardised activity	≥ 5.0 PPU/g
Application market	Beer: Improves the colloidal stability of beer
Appearance	liquid (appearance may vary from batch to batch)
Status	<ul style="list-style-type: none"><li>• Kosher approved</li><li>• Halal approved</li><li>• The production strain is improved by biotechnological techniques and contains multiple copies of a gene naturally present in the strain</li><li>• Food intolerance info available on request</li></ul>
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 and by JECFA. The analytical methods used are derived from international standardized methods like FCC, ISO or JECFA.

#### Chemical properties

pH	3.8 - 4.2	Arsenic	< 3 ppm
Heavy metals	< 30 ppm (as Pb)	Mercury	< 0.5 ppm
Lead	< 5 ppm	Cadmium	< 0.5 ppm

#### Microbiological specification

Total plate count	< 100 CFU per g	Moulds	< 10 per g
Coliforms	< 15 CFU per g	Sulphate reducers	< 30 CFU per g
Salmonella	absent in 25 g	<i>Pseudomonas aeruginosa</i>	< 10 per g
<i>Escherichia coli</i>	absent in 25 g	Lactobacillus	< 5 per g
<i>Staphylococcus aureus</i>	absent in 1 g	Anti bacterial activity	absent by test
Yeasts	< 10 per g	Mycotoxins	absent by test



## Composition

Carrier glycerol  $\geq$  45 %

## Stability data

- Recommended storage temperature 4 - 8 °C.
- When stored in recommended condition, and in its original sealed packaging, the shelf life will be 24 months, and the activity loss will be less than 5% per annum.

## Packaging

1 kg bottle

## Safety & Handling

Please refer to the Safety Data Sheet available on request.

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