

# **GLUTEN-FREE BEER MADE EASY**

## **BREWERS CLAREX®**

### **GREAT TASTING, GLUTEN-FREE BEER FROM MALTED BARLEY**

Brewers Clarex® is DSM's unique enzyme that enables gluten-free beer with the same taste as traditional beer, without the need to change to gluten-free cereals. It is an easy-to-use solution which breaks down the proline containing gluten proteins in malt, without impacting taste or foam quality.

**BRIGHT SCIENCE. BRIGHTER LIVING.™**



## MARKET OPPORTUNITIES FOR GLUTEN-FREE BEER

**9%**  
CAGR

GROWTH  
EXPECTANCY\*  
(2018-2022)

\*Technavio Market research

**€2.254**  
MILLION

EXPECTED  
RETAIL VALUE  
(IN 2022\*)

\*Source: Euromonitor International

**24%**  
OF  
RESPONDENTS

FIND GLUTEN-  
FREE BEER  
ATTRACTIVE\*

\*DSM Consumer Insights report (2018)

### HOW BREWERS CLAREX® WORKS

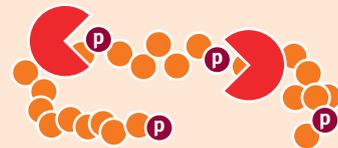
Brewers Clarex® is a fungal proline-specific endo-protease which degrades all known immunogenic gluten epitopes in beer, allowing brewers to easily produce gluten-reduced beer while still being able to determine their favorite recipe and brew a great tasting beer.

Brewers Clarex® is a liquid, allowing for easy and precise dosing at the start of the fermentation. It can be used with all types of malts and other raw materials that contain gluten. DSM has developed a Brewers Clarex® dosage recommendation calculator to find the optimal dosage for your beer. No large equipment - No CAPEX - is needed to start using Brewers Clarex®.

### SUPPORTING YOU, WHATEVER THE CHALLENGE

You can produce great tasting, gluten-free beer with Brewers Clarex® and support from our global team of brew masters. Our experts work side-by-side with you to achieve your goals, enabled by our beer application centers in the Netherlands and China.

### HOW BREWERS CLAREX® WORKS



Amino acids in a chain forming a gluten protein

Brewers Clarex® enzymes **cut the proteins** (only degrading the proteins with proline amino acids)

The **chain of amino acids** forming the gluten protein is **broken down into harmless peptides.**



### DSM FOOD SPECIALTIES

#### ENABLING BETTER FOOD FOR EVERYONE

At DSM Food Specialties, we are driven to enable better food for everyone. We provide ingredients and solutions that enable our customers to make healthier and more sustainable consumer food and beverage products. We are driven to partner with our customers to create food choices that people around the world can truly enjoy.

### DSM FOOD SPECIALTIES

DSM Food Specialties is part of Royal DSM. We provide ingredients and solutions that enable our customers to make healthier and more sustainable consumer food and beverage products. For more information: [info.food@dsm.com](mailto:info.food@dsm.com) | [dsm.com/foodspecialties](http://dsm.com/foodspecialties)

### DSM - BRIGHT SCIENCE. BRIGHTER LIVING.™

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