

# Barley TONIQ®

ULTRA-SOOTHING | REBALANCING

Made from upcycled barley, Barley TONIQ® is a potent active that works to rebalance irritated skin. It soothes redness by up to 23% (in just 2 hours), with impressive results at low use levels. The result? Visibly calmer, happier and healthier skin.

SOOTHING

REBALANCING

BARLEY TONIQ® | PRODUCT OVERVIEW





# Barley TONIQ®

**AN ULTRA-SOOTHING WATER-SOLUBLE ACTIVE  
MADE FROM A BY-PRODUCT OF BEER PRODUCTION**

Barley TONIQ® is a potent active that has been developed to significantly reduce skin redness and soothe irritation, even at low use levels. Made from a by-product of beer production, this upcycled water-soluble extract is rich in carbohydrates, proteins, polypeptides and amino acids which help to maintain hydration and support overall skin health. It is suitable for soothing and rebalancing claims and is particularly ideal for sensitive and reactive skin.

Barley TONIQ® is preserved with a microbiome-friendly grade of propanediol. This particular grade comes from an upcycled, non-GMO feedstock.

## BENEFITS

- Soothes redness by up to 23% (in just 2 hours)
- Just one application stops irritation in its tracks
- Rebalances irritated skin
- Superior soothing action at low use levels
- Contains 8 of the 9 essential amino acids known to help reduce the appearance of irritated skin & boost skin barrier function
- Source of proteins, peptides, polypeptides and carbohydrates
- Made from a by-product of beer production
- Contains a microbiome-friendly and upcycled grade of propanediol
- Can be used in a wide variety of skincare & body care applications and is particularly ideal for sensitive & reactive skin



**No new materials created.  
No existing resources wasted.**



**INCI Name:** Hordeum Vulgare Seed Extract, Propanediol

**Plant Part:** Barley

**Country of Origin:** France

**Method of Extraction:** Enzymatic

**Appearance:** Pale straw to light brown liquid

**Suggested Use Level:** 1 - 3%

**Suggested Application:** Skincare (face & body)

**Natural:** Conforms with ISO 16128,  
Degree of Naturality: 1

**Ecocert:** No

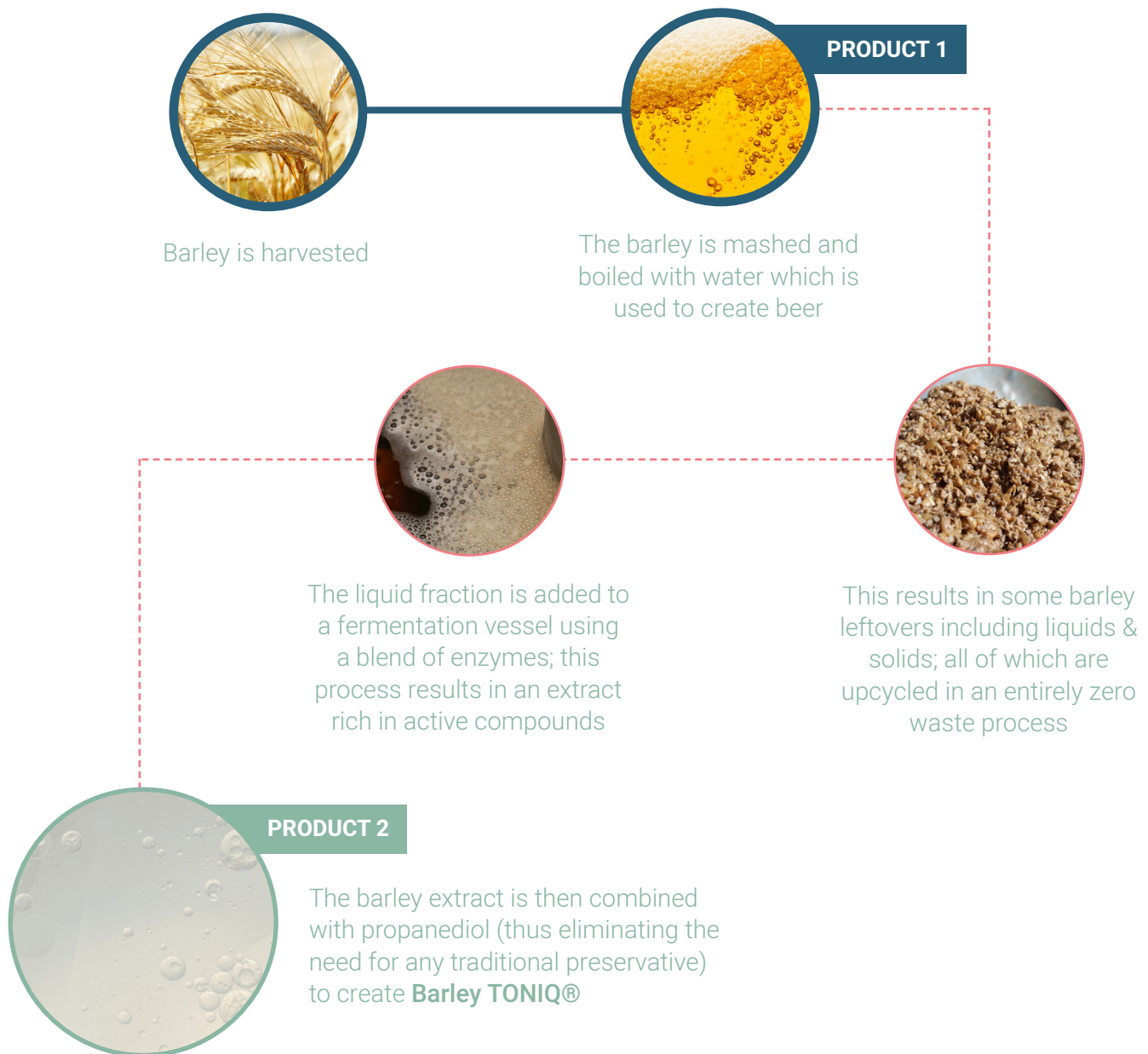
**Preservatives:** Propanediol

**Solvents Used:** Water/Propanediol

**Water/Glycerine/MPG:** Miscible

**Ethanol:** Miscible

# Barley TONIQ® *upcycling* PROCESS



## Packed with essential *Amino Acids*

During the brewing process, the malted barley is subjected to enzymatic degradation, resulting in a concentrated mixture of proteins, amino acids, peptides, polypeptides, and carbohydrates.

Carbohydrates are known to help lock in moisture; mainly dextrin, which is a polysaccharide obtained from starch.

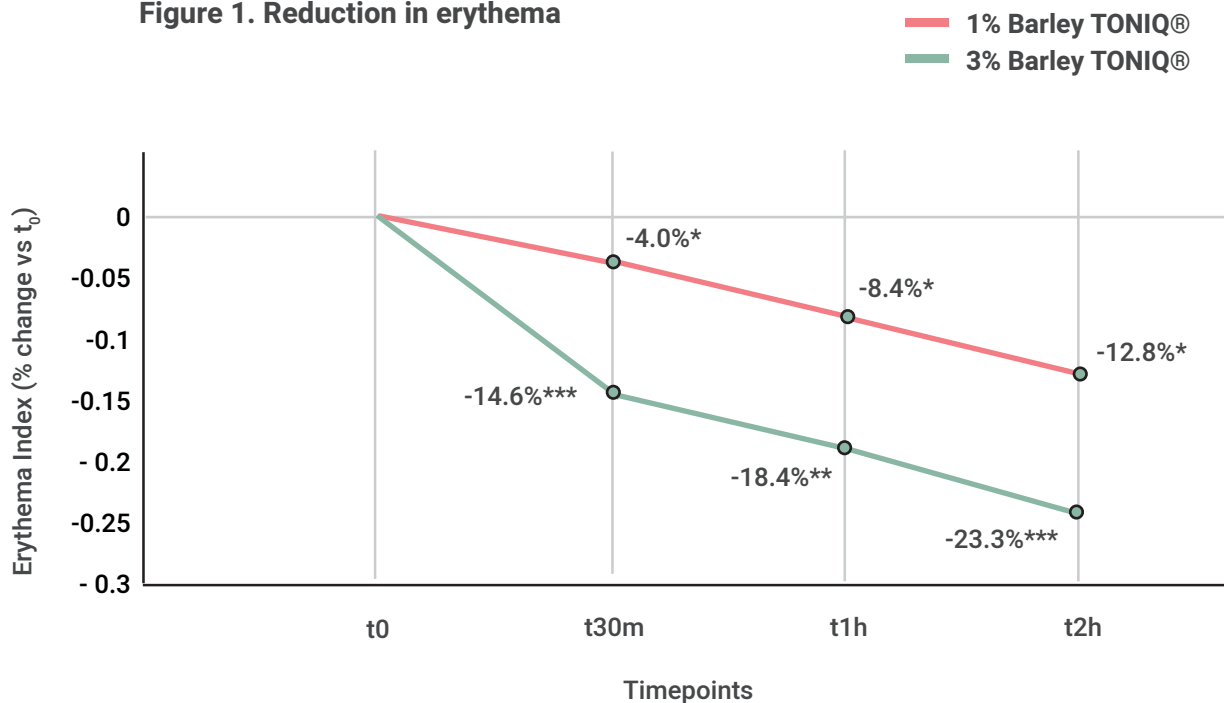
Polypeptides on the other hand are very well known for their anti-ageing properties, as are amino acids (the building blocks of both peptides and proteins). **Barley TONIQ® contains 8 of the 9 essential amino acids that are known to help reduce the appearance of irritated skin and help boost the skin's barrier function.**

# Soothing STUDY

An in vivo study was conducted to determine Barley TONIQ®'s role in reducing skin erythema. A solution containing 2% SLS (sodium lauryl sulfate) was applied to the skin in order to induce irritation, before being treated with Barley TONIQ® (tested at 1% and 3%). The soothing activity of Barley TONIQ® was evaluated after 30 minutes, 1hr and 2hrs using a Mexameter®. Figure 1 reveals a **significant reduction in erythema after a single application, even at low use levels (1%)**. There was a **23.3% reduction** in erythema after 2 hours, proving that it **continues to soothe skin and reduce redness over time vs. the placebo**.

Soothes Redness  
BY UP TO 23%  
(IN JUST 2 HOURS)

Figure 1. Reduction in erythema



\*  $p < 0.05$  / \*\*  $p < 0.01$  / \*\*\*  $p < 0.001$





*Full Circle*

## ABOUT FULL CIRCLE

Full circle is a portfolio of upcycled cosmetic ingredients made from plant-based leftovers too good to waste.

THE FULL CIRCLE RANGE  
OF INGREDIENTS  
IS PART OF



The Upcycled Beauty Company empowers cosmetic & personal care brands to reduce and reuse waste by growing the upcycled beauty movement.

**Our vision is that one day, every beauty & personal care product will be made from upcycled materials - from ingredients to packaging.**

Find out more:  
[upcycledbeauty.com](http://upcycledbeauty.com)

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