



1224 American Way, Watertown, WI 53094 Phone 920.261.0963 Fax 920.261.0642

## ISO 30%

### Product Description

A standardized solution of isomerized  $\alpha$ -acids (30% w/w) produced from CO<sub>2</sub> extract. ISO 30 may be used to replace kettle bittering hops to improve utilization or to adjust the final bitterness of the beer. Better control of bitterness and significantly increased utilization may be achieved by dosing with ISO 30 post fermentation.

### Product Specifications

<b>Description</b>	A pale yellow to amber solution of the potassium salts of iso- $\alpha$ -acids
<b>Concentration</b>	Standard concentration is 30.0% w/w ( $\pm 1.0\%$ ) of iso- $\alpha$ -acids by HPLC analysis.
<b>pH</b>	8.5 ( $\pm 0.25$ )
<b>Alpha Acids</b>	< 0.5%
<b>Beta Acids</b>	< 2.0%
<b>Solubility</b>	Soluble in demineralized water and in alcohol

### Quality and Food Safety

- Watertown Hops Company, located in Watertown, WI - USA, is a Certified FSSC 22000 and ISO 9001:2015 facility.
- Our Food Safety Program is HACCP based and is designed for the advanced hops products produced at this facility.
- Our facility is compliant with FDA regulations for extract (Site: 21CFR 172.560) and is Generally Recognized as Safe (GRAS) when used as a direct human food ingredient.
- Watertown Hops is also compliant with the required Good Manufacturing Practices (GMP) of Title 21, Code of Federal Regulations, and Part 110.
- Our product is Kosher certified.

### Packaging

ISO 30 is packaged in 20 kg high-density polyethylene (HDPE) containers (or as otherwise agreed).

### Storage and Product Shelf Life Recommendations

- Store ISO 30 in unopened pails. *Ideal storage 50-60°F (10-15.6°C) with an acceptable storage range of 40-100°F (4.4-37.8°C).*
- Avoid freezing.
- Prolonged storage at high temperatures can cause degradation.
- ISO 30 is stable for 18 months from the date of production under the recommended storage conditions.

