

## CERTIFICATE OF ANALYSIS

PRODUCT NAME:  
**HopKick®**

LOT NUMBER:  
**PK000065**

PRODUCTION DATE:  
**17-April 2023**

### Description

HopKick® is a 100% hop-derived aqueous extract that is clear, flowable, variety specific, and true-to-type. HopKick is designed for addition to the cold side of beverage operations to achieve the greatest impact of flavor and aroma.

### Storage

HopKick® should be stored at or below 5 °C (41 °F) unopened. Shelf-life evaluation of HopKick indicates that the product is stable for nine (9) months. We recommend using the whole container in one use and/or within a few days once opened to ensure optimal results.

<u>Characteristic</u>	<u>Specification</u>	<u>Value</u>	<u>Method</u>
Appearance:	Clear to opaque in nature; some color variation possible	Meets	Visual
Character:	True-to-type	Meets	Sensory
Hop Acids ( $\alpha$ -acids + iso- $\alpha$ -acids)	< 1 %	Meets	HPLC
Hop Acids ( $\beta$ -acids)	< 1 %	Meets	HPLC

Pesticide residues are monitored in hop products under our new BarthHaas Quality Control Guarantee. For more information in this program, please visit our website at, [www.BarthHaas.com](http://www.BarthHaas.com).



### Prepared by:

Andrea de la Garza, QC Manager

### Signature:

### Date:

November 9, 2023

### Additional information