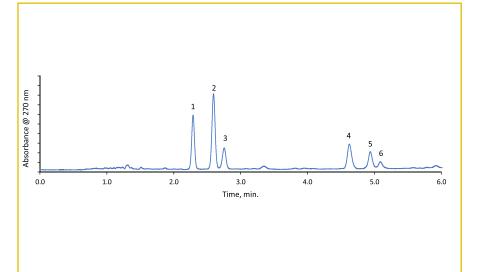
## FOOD / BEVERAGE

HALO



## Separation of Hop Acids on HALO<sup>®</sup> 5 µm Biphenyl

Application Note 193-OA



## **PEAK IDENTITIES:**

Alpha Acids

2. Humulone

- 1. Cohumulone
- Beta Acids 4. Colupulone
- 5. Lupulone
- 3. Adhumulone 6.
- 6. Adlupulone

Hops are primarily made up of essential oils and alpha and beta acids. They have many benefits in the beer brewing process, including their antiseptic nature and bitterness flavor they give to the beer. Alpha and beta acids from the International Calibration Standard Extract (ICE-3) are separated on a HALO<sup>®</sup> Biphenyl column.

## **TEST CONDITIONS:**

**STRUCTURES:** 

