

## Certificate of Analysis

(Representative Sample Certificate)

**Product Name:** Barley Quat  
**INCI Name:** Laurdimonium hydroxypropyl hydrolyzed barley protein, benzylalcohol, potassium sorbate, sodium benzoate  
**CAS Number:** N/A, 100-51-6, 24634-61-5, 532-32-1  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 18 months from production date

Property	Specification	Analysis
Appearance (at room temp)	Clear to slightly hazy, amber liquid*	Pass
Odor	Characteristic, slight	Pass
Non-Volatile Matter (1g/1hr/105 °C)	22.0-26.0%	23.9%
pH (Direct @ 25 °C)	4.5-5.5	5.1
Color (Gardner) (ASTM D6166)	14.0 MAX	Pass
Ash (@ 800 °C)	3.0% MAX	1.1%
IP	9.0 MIN	11.0
Total Aerobic Bacteria	<100 CFU/mL; No pathogens	Pass
Mold & Yeast	<100 CFU/mL	Pass

\*may sediment with aging

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

All data are as per our supplier.

**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.