

Product Name:	Quaternized Honey SA	
Lot Number:	35353	
Manufacture Date:	November 17, 2023	
Re-Test Date:	November 17, 2024	
CAS #'s:	223705-79-1	
EINECS #'s:	N/A	
INCI Name:	Hydroxypropyltrimonium Honey	

Specification	Parameter	Result
Appearance	Clear to Slightly Hazy, Light Straw- Colored to Dark Amber Liquid	Pass
Color (Gardner)	13 Maximum	1
Odor	Slight, Characteristic Amino Note	Pass
pH (5% Aqueous Solution @ 25°C)	4.0 - 6.5	4.1
NVM (1g-1hr-105°C)	49.0 - 54.0%	51.4
Activity	31.0 - 45.0%	36.5
Heavy Metals Lead Arsenic Cadmium	< 20 ppm < 10 ppm < 2 ppm < 1 ppm	< 20 ppm < 10 ppm < 2 ppm < 1 ppm
Microbial Content Yeast & Mold Gram Negs	< 10 CFU/g; No pathogens < 10 CFU/g 0 CFU/g	Pass Pass Pass

May Sediment upon Standing; Mix Well Prior to Use

This product may be heated to 40-45°C before use or after addition to the water phase to maximize its solubility. The optimal temperature range for incorporation of this product is 40-45°C.

*This product contains Fair Trade Certified® Honey, when available. Please consult the Fair Trade USA website (http://www.fairtradeusa.org/) for details about the process for certification of finished goods.

QA Signature _____ Tori Hoag

Date December 1, 2023

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