

# KOSTER KEUNEN, INC

## WATERTOWN, CONNECTICUT 06795

TEL# (860) 945-3333  
FAX# (860) 945-0330

DATE: March 7, 2023

### CERTIFICATE OF ANALYSIS

CUSTOMER	ORDER NUMBER	ITEM NUMBER	BATCH NUMBER
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PRODUCT: NF CARNAUBA WAX #1 LPVG  
WAX# 471G

LABORATORY TESTS & METHODS	KOSTER KEUNEN, INC. SPECIFICATIONS	ACTUAL RESULTS
INFRARED ABSORPTION: USP 197A	Meets Standard	Conforms
MELTING POINT: USP 741, Class II	80 – 86 °C	°C
CONGEAL POINT: ASTM D938-6	80 - 85 °C	°C
ACID VALUE: USP 401	2 – 7 mg KOH/g	
SAPONIFICATION VALUE: USP 401	78 – 95 mg KOH/g	
PEROXIDE VALUE: KK 264	≤10 MEQ/Kg	MEQ/Kg
APPEARANCE: KK 249	Granulated	Passes
COLOR: Visual	Dull Yellow to Light Brown	Passes
RESIDUE ON IGNITION: USP 281	0.25% Max	%
COLOR: Lovibond Yellow / Red	L <sub>Yellow</sub> L <sub>Red</sub>	
DATE OF MANUFACTURE		
RECOMMENDED RETEST DATE		5 years

**NOTE: Where applicable, testing is conducted in accordance with current NF requirements and the material meets NF standards as published by USP.**

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SUBMITTED BY: \_\_\_\_\_