



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 08/25/2020

Analysis ID No. 20A923
 TDA License No. 2020002
 ISO/IEC No. 1055838
 Customer No. 20201246
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CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name: Grass Roots Harvest	Submitted Sample Name: GRH Hand Sanitizer 2 oz – Alcohol 70%
Address: 321 W. Ben White Blvd; Austin, TX 78704 USA	Submitted Sample Lot: Not Provided
Phone Number: 830-660-9770	Submitted Sample Description: Hand Sanitizer in Clear Bottle; Arrived/Stored at Room Temp
Contact Name / Email: Crystal Harral / crystal@grassrootsharvest.com	Submitted Sample Product Type / Matrix: Hand Sanitizer / Isopropyl Alcohol

IMPURITIES FOR ISOPROPYL ALCOHOL (IPA)					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Acetone	GC-MS	0.7 ppm	NMT 4,400 ppm	874.1 ppm	PASS
Acetal	GC-MS	0.7 ppm	NMT 50 ppm	<LOQ	PASS
Acetaldehyde	GC-MS	0.7 ppm	NMT 50 ppm	<LOQ	PASS
Benzene	GC-MS	0.7 ppm	NMT 2 ppm	<LOQ	PASS
1-Propanol	GC-MS	0.7 ppm	NMT 1,000 ppm	<LOQ	PASS
2-Butanol	GC-MS	0.7 ppm	NMT 6,200 ppm	<LOQ	PASS
Diisopropyl Ether	GC-MS	0.7 ppm	NMT 10,000 ppm	169.3 ppm	PASS
Ethyl Ether	GC-MS	0.7 ppm	NMT 10,000 ppm	<LOQ	PASS
Ethyl Acetate	GC-MS	0.7 ppm	NMT 2,200 ppm	<LOQ	PASS
Methanol	GC-MS	0.7 ppm	NMT 630 ppm	27.8 ppm	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 20A923 Receipt Date: 08/06/2020 / 01:00 PM CST / S. ORTEGA Receipt Condition: Good Analysis Start Date: 08/06/2020

ADDITIONAL REPORT NOTES
The reported results presented in this document is only applicable to samples submitted to Santé Laboratories for testing and may not represent the entire lot and/or batch produced by the manufacturer. Limits referenced from USP and FDA "Direct Injection Gas Chromatography Mass Spectrometry (GC-MS) Method for Detection of Listed Impurities in Hand Sanitizers" 08/24/2020. ©2020 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	08/25/2020	Initial Release



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PRODUCT SAMPLE / IMAGE



REVIEWED AND APPROVED BY

DocuSigned by:

Brian R Sloat

8/25/2020

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Brian Sloat, Ph.D. 51277B7C8FDA460...
Chief Scientific Officer / Quality Manager
Santé Laboratories

Date