

Certificate of Analysis

JOHN D. WALSH COMPANY, INC.
 25 EXECUTIVE PARKWAY
 RINGWOOD NJ 07456
 USA
 Attention of COA CONTACT
 Fax Number

Customer Order	: 50212		
IFF Order/Item	: 1007247183 000010 / 04-MAY-2022		
Delivery/Item	: 2011711221 000010 / 11-JUN-2022		
Customer number	: 76169		
Cust Mat Descr.	: 00032329 / CASHMERAN		
IFF Code:	: 00032329		
Flashpoint	: 201°F / 94°C		
IFF Batch	: SM22044022	Date of Manufacture	: 07-APR-2022
Order Quantity	: 200.000 kg	Expiration Date	: 06-APR-2025

Goods Issue Date : 12-MAY-2022
 Document Date : 10-MAY-2022
 Info Text :

	Test data	Spec	Unit
PRIMARY ODOR EVALUATION	According to Standard		
VISUAL COLOR & APPEARANCE	According to Standard		
Color Description	colorless to pale yellow		
REFRACTIVE INDEX, 20C	1.5006	1.4970 -1.5020	#
RELATIVE DENSITY D20/4	0.9614	0.9550 -0.9650	#
RELATIVE DENSITY D20/20	0.9631	0.9567 -0.9667	#
RELATIVE DENSITY D25/25	0.9601	0.9537 -0.9637	#

This is an electronic document and therefore not signed.

IFF certifies that the quality of this product
 conforms to our product specifications

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GC PEAKS PERCENTAGE

LITES	0.02	0.00 - 2.00	%
Test Condition - GC # POLAR COLUMN (%AREA)			
ISOMERS	5.43	4.00 - 13.00	%
Test Condition - GC # POLAR COLUMN (%AREA)			
MAJOR PEAK	93.52	85.00 - 100.00	%
Test Condition - GC # POLAR COLUMN (%AREA)			
SUM ISOMERS	98.95	95.00 - 100.00	%
Test Condition - GC # POLAR COLUMN (%AREA)			

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