



Certificate of Analysis
Pure 190 Ethanol USP

LOT #: 00306CREDVAN

Vessel Number: 22065
Date Shipped: 03/04/2025

PRODUCT ANALYSIS:

TEST	Result	Unit	Limit
SPECIFIC GRAVITY @ 20/20 C	0.8122		0.8118-0.8128
ETHANOL CONTENT	95.12		95.01-95.22%
PROOF	190.2		190.0-190.4
APPEARANCE, AS IS	PASS		CLEAR, BRIGHT, FREE
COLOR, PLATINUM COBALT	0		10 MAX
ACIDITY (AS ACETIC ACID)	0.0011		0.0020% MAX
ODOR, AS IS	PASS		TYPICAL
METHANOL	0.0		5 MG/L MAX
ACETALDEHYDE	1.2		5 MG/L MAX
ACETAL	0.0		5 MG/L MAX
TOTAL HIGHER ALCOHOLS	0.1		5 MG/L MAX

PRODUCT GUARANTEES:

THIS MATERIAL MEETS THE ANALYTICAL REQUIREMENTS OF THE CURRENT
USP MONOGRAPH FOR ALCOHOL.

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CLARITY OF SOLUTION	-PASS
COLOR OF SOLUTION	-PASS
IDENTIFICATION	-PASS
SPECIFIC GRAVITY	-PASS
ACIDITY OR ALKALINITY	-PASS
VOLATILE IMPURITIES	-PASS
NONVOLATILE RESIDUE	-PASS
UV ABSORPTION	-PASS

Please consult the SDS for further information.

BVV represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to BVV standard terms and conditions. BVV makes no additional representations or warranties, express or implied, through this COA.

USP MONOGRAPH ANALYSIS
CLARITY OF SOLUTION PASS
COLOR OF SOLUTION PASS
IDENTIFICATION PASS
SPECIFIC GRAVITY PASS
ACIDITY OR ALKALINITY PASS
ULTRAVIOLET ABSORPTION PASS
VOLATILE IMPURITIES PASS
NONVOLATILE IMPURITIES PASS G/100 ML PASS
REFERENCE CODE: 360288 = 190 PROOF
USP MONOGRAPH ANALYSIS IS NOT RUN ON EACH BATCH OF MATERIAL

Brenntag Lot#
0030UCREDVAN

* BVV / MAROSI DESIGNS LLC *
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* Driver / Carrier *
* Brenntag Great Lakes, LLC *

IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.