



Alliance Analytical Laboratories, Inc.

179 West Randall Street
Coopersville, MI 49404
Phone: (616) 837-7670
Fax: (616) 837-7701



Test methods marked with ^ are accredited under the laboratory's ISO/IEC 17025 accreditation issued by ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation AT-2044

TEST RESULTS REPORT

CUSTOMER

MI Local Hops
5720 S Bates Road
Williamsburg, MI 49690
Phone: 1-231-360-1222
Email: alex@milocalhops.com; jason@milocalhops.com; tabitha@milocalhops.com;

SAMPLE DESCRIPTION

Willamette
SD 12/11/18

SAMPLE DATE

12/11/2018

DATE RECEIVED

12/12/2018

REFERENCE NUMBER

180480: 1848044

Customer PO

TEMPERATURE AT RECEIVING



Test Requested	Test Method	Results	Ref Number	Start Date
HOPS:Alpha and Beta Acids-ASBC 6				
Alpha Acids	ASBC 6 Analyst: 24	2.99 %	BL10:42	12/20 12:00 PM
Beta Acids	ASBC 6 Analyst: 24	3.31 %	BL10:42	12/20 12:00 PM
HOPS:Brewers' Quality	^ASBC Hops-14 Analyst: 23			12/13 3:45 PM
10% Moisture Adjusted Alpha Acids		4.55 %	CV23:08	
10% Moisture Adjusted Beta Acids		3.55 %		
Alpha Acid	^ASBC Hops-14	4.66 %		
Beta Acid	^ASBC Hops-14	3.66 %		
Cohumulone	^ASBC Hops-14	34.9 % Relative to Alpha		
Colupulone	^ASBC Hops-14	55.1 % Relative to Beta		
Hops Storage Index	ASBC Hops-12 Analyst: 24	0.37	BL10:42	12/20 12:00 PM
Moisture	ASBC Hops-4c	7.15 %		
Xanthohumol		0.12 %		

It is the customer's responsibility to evaluate the compliance of these results to any regulatory requirement.

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Reviewed and Approved by:

Audrey Monroe - Laboratory Director

Date: 12/27/2018

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**TEST RESULTS
REPORT**

SAMPLE DESCRIPTION Willamette
SD 12/11/18
SAMPLE DATE 12/11/2018
DATE RECEIVED 12/12/2018
REFERENCE NUMBER 180480: 1848044
TEMPERATURE AT RECEIVING

Customer PO



Test Requested	Test Method	Results	Ref Number	Start Date
HOPS:Total Oil	ASBC Hops-13 Analyst: 28	0.7 mL/100g	LL14:96	12/26 12:00 PM

It is the customer's responsibility to evaluate the compliance of these results to any regulatory requirement.

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