



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 Dickinson Research Extension Center
1041 State Ave.
Dickinson, ND 58601
Phone: 701-290-3270
Email: jon.stika@ndsu.edu;

SAMPLE DESCRIPTION Brewers Gold
SD 08/24/18

SAMPLE DATE 8/24/2018

DATE RECEIVED 8/30/2018

REFERENCE NUMBER 180347: 1834718 **Customer PO**

TEMPERATURE AT RECEIVING



Test Requested	Test Method	Results	Ref Number	Start Date
HOPS:Brewers' Quality	^ASBC Hops-14 Analyst: 23			9/4 9:56 AM
10% Moisture Adjusted Alpha Acids	Analyst: 23	9.77 %	CV19:72	9/4 9:56 AM
10% Moisture Adjusted Beta Acids	Analyst: 23	4.60 %	CV19:72	9/4 9:56 AM
Alpha Acid	^ASBC Hops-14 Analyst: 23	10.0 %	CV19:72	9/4 9:56 AM
Beta Acid	^ASBC Hops-14 Analyst: 23	4.72 %	CV19:72	9/4 9:56 AM
Cohumulone	^ASBC Hops-14 Analyst: 23	30.4% Relative To Alpha	CV19:72	9/4 9:56 AM
Colupulone	^ASBC Hops-14 Analyst: 23	56.3% Relative To Beta	CV19:72	9/4 9:56 AM
Hops Storage Index	ASBC Hops-12 Analyst: 24	0.26	BL08:66	9/5 12:00 PM
Moisture	ASBC Hops-4c Analyst: 23	7.60 %	CV19:74	9/4 9:56 AM

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

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This report must not be reproduced, except in full, without written approval of the laboratory.

Reviewed and Approved by:

Audrey Monroe - Laboratory Director

Date: 9/5/2018

Date: 9/5/2018



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SAMPLE DATE	8/24/2018	
DATE RECEIVED	8/30/2018	
REFERENCE NUMBER	180347: 1834718	
TEMPERATURE AT RECEIVING		

Test Requested	Test Method	Results	Ref Number	Start Date
Xanthohumol		1.66 %	CV19:72	9/4 9:56 AM
	Analyst: 23			

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

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