



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;

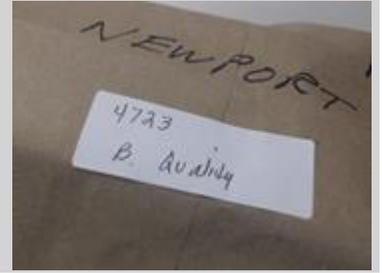
SAMPLE DESCRIPTION Newport
SD 08/25/18

SAMPLE DATE 8/25/2018

DATE RECEIVED 8/30/2018

REFERENCE NUMBER 180347: 1834723 **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	5.95 %	CV19:72	9/4 9:56 AM
10% Moisture Adjusted Beta Acids	Analyst: 23	4.39 %	CV19:72	9/4 9:56 AM
Alpha Acid	^ASBC Hops-14 Analyst: 23	6.54 %	CV19:72	9/4 9:56 AM
Beta Acid	^ASBC Hops-14 Analyst: 23	4.82 %	CV19:72	9/4 9:56 AM
Cohumulone	^ASBC Hops-14 Analyst: 23	31.3% Relative To Alpha	CV19:72	9/4 9:56 AM
Colupulone	^ASBC Hops-14 Analyst: 23	56.4% Relative To Beta	CV19:72	9/4 9:56 AM
Hops Storage Index	ASBC Hops-12 Analyst: 24	0.21	BL08:66	9/5 12:00 PM
Moisture	ASBC Hops-4c Analyst: 23	1.11 %	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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Reviewed and Approved by:

Audrey Monroe - Laboratory Director

Date: 9/5/2018

Date: 9/5/2018



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**TEST RESULTS
REPORT**

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SAMPLE DESCRIPTION	Newport SD 08/25/18	
SAMPLE DATE	8/25/2018	
DATE RECEIVED	8/30/2018	
REFERENCE NUMBER	180347: 1834723	
TEMPERATURE AT RECEIVING		

Test Requested	Test Method	Results	Ref Number	Start Date
Xanthohumol	Analyst: 23	1.05 %	CV19:72	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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