

**Alliance Analytical Laboratories, Inc.**

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

**MICROBIOLOGY
SHELF LIFE DATA**

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

CUSTOMER Jimmy's Vegan**STABILITY DATE RANGE**

7/7/2025 TO 9/1/2025

SAMPLE DESCRIPTION The Loaded Vegan Production Date (--)
40°C/75% RH**SAMPLE DATE****DATE RECEIVED** 7/3/2025 (0)**REFERENCE NUMBER** **Customer PO** (0)**TEMPERATURE AT RECEIVING****Test Configuration****Protocol:** Jimmy's Vegan Cookies Shelf Life**Category:** Shelf-Life**Temperature:** 40° C 75% RH**Group:** Microbiology**SubGroup:** Food**Comments:**

Interval	Date	Yeast	Water Activity	Moisture	Mold	Aerobic Plate Count
Day 0	7/7/2025	Tested	Tested	Tested	Tested	Tested
Day 7	7/14/2025	Tested	Not Requested	Not Requested	Tested	Tested
Day 14	7/21/2025	Tested	Not Requested	Not Requested	Tested	Tested
Day 21	7/28/2025	Tested	Not Requested	Not Requested	Tested	Tested
Day 28	8/4/2025	Tested	Tested	Tested	Tested	Tested
Day 35	8/11/2025	Tested	Not Requested	Not Requested	Tested	Tested
Day 42	8/18/2025	Tested	Not Requested	Not Requested	Tested	Tested
Day 49	8/25/2025	Tested	Not Requested	Not Requested	Tested	Tested
Day 56	9/1/2025	Tested	Tested	Tested	Tested	Tested

It is the customer's responsibility to evaluate the compliance of these results to any regulatory requirement.
Test results apply to the sample as received.

PURSUANT TO 5 U.S.C.(b)(4)**This report must not be reproduced, except in full, without written approval of the laboratory.**

Reviewed and Approved by:

Audrey Monroe - Laboratory Director

Date: 9/17/2025

Date: 9/17/2025

Page 1 of 9



Alliance Analytical Laboratories, Inc.

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



MICROBIOLOGY SHELF LIFE DATA

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

SAMPLE DESCRIPTION The Loaded Vegan Production Date (--) 40° C/75% RH

SAMPLE DATE

DATE RECEIVED 7/3/2025 (0)

REFERENCE NUMBER **Customer PO** (0)

TEMPERATURE AT RECEIVING



Test Results


Test Requested	Test Method	Results		Ref Number	Start Date
BAM:Aerobic Plate Count					
Day 0	^BAM Ch.3 Analyst: 60	Log: 1.6	50 cfu/g		7/7 4:39 PM
Day 7	^BAM Ch.3 Analyst: 65	Log: <1.0	<10 cfu/g		7/14 3:37 PM
Day 14	^BAM Ch.3 Analyst: 60	Log: <1.0	<10 cfu/g		7/21 3:58 PM
Day 21	^BAM Ch.3 Analyst: 65	Log: 1.0	10 cfu/g		7/28 12:11 PM
Day 28	^BAM Ch.3 Analyst: 65	Log: <1.0	<10 cfu/g		8/4 3:25 PM
Day 35	^BAM Ch.3 Analyst: 65	Log: 1.0	10 cfu/g		8/11 12:58 PM
Day 42	^BAM Ch.3 Analyst: 68	Log: 1.3	20 cfu/g		8/18 3:24 PM
Day 49	^BAM Ch.3 Analyst: 68	Log: <1.0	<10 cfu/g		8/25 1:29 PM
Day 56	^BAM Ch.3 Analyst: 68	Log: <1.0	<10 cfu/g		9/2 2:53 PM

It is the customer's responsibility to evaluate the compliance of these results to any regulatory requirement.
Test results apply to the sample as received.

PURSUANT TO 5 U.S.C.(b)(4)

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

Reviewed and Approved by:


Audrey Monroe - Laboratory Director

Date: 9/17/2025

Date: 9/17/2025

Page 2 of 9



Alliance Analytical Laboratories, Inc.

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



MICROBIOLOGY SHELF LIFE DATA

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

SAMPLE DESCRIPTION The Loaded Vegan Production Date (--) 40° C/75% RH

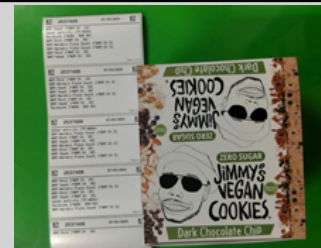
SAMPLE DATE

DATE RECEIVED 7/3/2025 (0)

REFERENCE NUMBER

TEMPERATURE AT RECEIVING

Customer PO (0)



Test Results

Test Requested	Test Method	Results	Ref Number	Start Date
BAM:Mold				
Day 0	^BAM Ch. 18 Analyst: 60	Log: <1.0 <10 cfu/g		7/7 4:39 PM
Day 7	^BAM Ch. 18 Analyst: 65	Log: <1.0 <10 cfu/g		7/14 3:37 PM
Day 14	^BAM Ch. 18 Analyst: 60	Log: <1.0 <10 cfu/g		7/21 3:58 PM
Day 21	^BAM Ch. 18 Analyst: 65	Log: <1.0 <10 cfu/g		7/28 12:11 PM
Day 28	^BAM Ch. 18 Analyst: 65	Log: <1.0 <10 cfu/g		8/4 3:25 PM
Day 35	^BAM Ch. 18 Analyst: 65	Log: <1.0 <10 cfu/g		8/11 12:58 PM
Day 42	^BAM Ch. 18 Analyst: 68	Log: <1.0 <10 cfu/g		8/18 3:24 PM
Day 49	^BAM Ch. 18 Analyst: 68	Log: <1.0 <10 cfu/g		8/25 1:29 PM
Day 56	^BAM Ch. 18 Analyst: 68	Log: <1.0 <10 cfu/g		9/2 2:53 PM

It is the customer's responsibility to evaluate the compliance of these results to any regulatory requirement.
Test results apply to the sample as received.

PURSUANT TO 5 U.S.C.(b)(4)

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

Reviewed and Approved by:

Audrey Monroe
Audrey Monroe - Laboratory Director

Date: 9/17/2025

Date: 9/17/2025

Page 3 of 9



Alliance Analytical Laboratories, Inc.

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



MICROBIOLOGY SHELF LIFE DATA

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

SAMPLE DESCRIPTION The Loaded Vegan Production Date (--) 40° C/75% RH

SAMPLE DATE

DATE RECEIVED 7/3/2025 (0)

REFERENCE NUMBER

TEMPERATURE AT RECEIVING

Customer PO (0)



Test Results

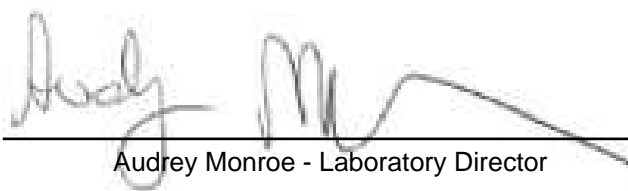
Test Requested	Test Method	Results	Ref Number	Start Date
BAM:Yeast				
Day 0	^BAM Ch. 18 Analyst: 60	Log: <1.0 <10 cfu/g		7/7 4:39 PM
Day 7	^BAM Ch. 18 Analyst: 65	Log: <1.0 <10 cfu/g		7/14 3:37 PM
Day 14	^BAM Ch. 18 Analyst: 60	Log: <1.0 <10 cfu/g		7/21 3:58 PM
Day 21	^BAM Ch. 18 Analyst: 65	Log: <1.0 <10 cfu/g		7/28 12:11 PM
Day 28	^BAM Ch. 18 Analyst: 65	Log: <1.0 <10 cfu/g		8/4 3:25 PM
Day 35	^BAM Ch. 18 Analyst: 65	Log: <1.0 <10 cfu/g		8/11 12:58 PM
Day 42	^BAM Ch. 18 Analyst: 68	Log: <1.0 <10 cfu/g		8/18 3:24 PM
Day 49	^BAM Ch. 18 Analyst: 68	Log: <1.0 <10 cfu/g		8/25 1:29 PM
Day 56	^BAM Ch. 18 Analyst: 68	Log: <1.0 <10 cfu/g		9/2 2:53 PM

It is the customer's responsibility to evaluate the compliance of these results to any regulatory requirement.
Test results apply to the sample as received.

PURSUANT TO 5 U.S.C.(b)(4)

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

Reviewed and Approved by:


Audrey Monroe - Laboratory Director

Date: 9/17/2025

Date: 9/17/2025

Page 4 of 9

**Alliance Analytical Laboratories, Inc.**

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

**MICROBIOLOGY
SHELF LIFE DATA**

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

SAMPLE DESCRIPTION The Loaded Vegan Production Date (--) 40° C/75% RH
SAMPLE DATE
DATE RECEIVED 7/3/2025 (0)
REFERENCE NUMBER Customer PO (0)
TEMPERATURE AT RECEIVING

**Test Results**

Test Requested	Test Method	Results	Ref Number	Start Date
Moisture				
Day 0	^AOAC 950.46 Analyst: 39	8.48 %	20156:22	7/8 4:06 PM
Day 28	^AOAC 950.46 Analyst: 59	7.88 %	20158:33	8/4 4:38 PM
Day 56	^AOAC 950.46 Analyst: 59	7.86 %	20158:59	9/8 3:44 PM

It is the customer's responsibility to evaluate the compliance of these results to any regulatory requirement.
Test results apply to the sample as received.

PURSUANT TO 5 U.S.C.(b)(4)

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

Reviewed and Approved by:

Audrey Monroe - Laboratory Director

Date: 9/17/2025

Date: 9/17/2025

Page 5 of 9

**Alliance Analytical Laboratories, Inc.**

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

**MICROBIOLOGY
SHELF LIFE DATA**

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

SAMPLE DESCRIPTION The Loaded Vegan Production Date (--) 40°
C/75% RH

SAMPLE DATE

DATE RECEIVED 7/3/2025 (0)

REFERENCE NUMBER **Customer PO** (0)

TEMPERATURE AT RECEIVING

**Test Results**


Test Requested	Test Method	Results	Ref Number	Start Date
Water activity				
Day 0	TP-A034	0.68	AW July25 Probe 1	7/7 12:37 PM
	Analyst: 55			
Day 28	TP-A034	0.66	AW August25 Probe 1	8/4 1:27 PM
	Analyst: 45			
Day 56	TP-A034	0.67	AW Sept25 Probe 1	9/2 2:20 PM
	Analyst: 55			

It is the customer's responsibility to evaluate the compliance of these results to any regulatory requirement.
Test results apply to the sample as received.

PURSUANT TO 5 U.S.C.(b)(4)

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

Reviewed and Approved by:


Audrey Monroe - Laboratory Director

Date: 9/17/2025

Date: 9/17/2025

Page 6 of 9



Alliance Analytical Laboratories, Inc.

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



**MICROBIOLOGY
SHELF LIFE DATA**

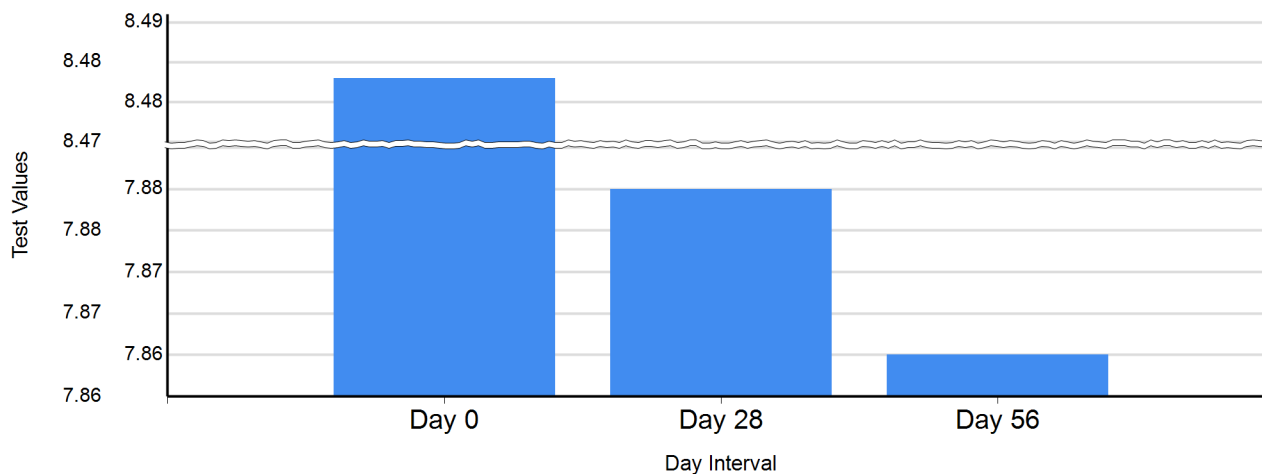
Test methods marked with ^ are accredited under the laboratory's ISO/IEC 17025 accreditation issued by ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation AT-2044

Sample ID Number	2537408	Storage Conditions	40° C 75% RH
Sample Description	The Loaded Vegan Production Date (--) 40° C/75% RH		

Moisture, %

Sample Point	Day 0	Day 7	Day 14	Day 21	Day 28
	8.48	Not Requested	Not Requested	Not Requested	7.88
Sample Point	Day 35	Day 42	Day 49	Day 56	
	Not Requested	Not Requested	Not Requested	7.86	

Actual Values



It is the customer's responsibility to evaluate the compliance of these results to any regulatory requirement.
Test results apply to the sample as received.

PURSUANT TO 5 U.S.C.(b)(4)

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

Reviewed and Approved by:

Audrey Monroe
Audrey Monroe - Laboratory Director

Date: 9/17/2025

Date: 9/17/2025

Page 7 of 9

**Alliance Analytical Laboratories, Inc.**

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

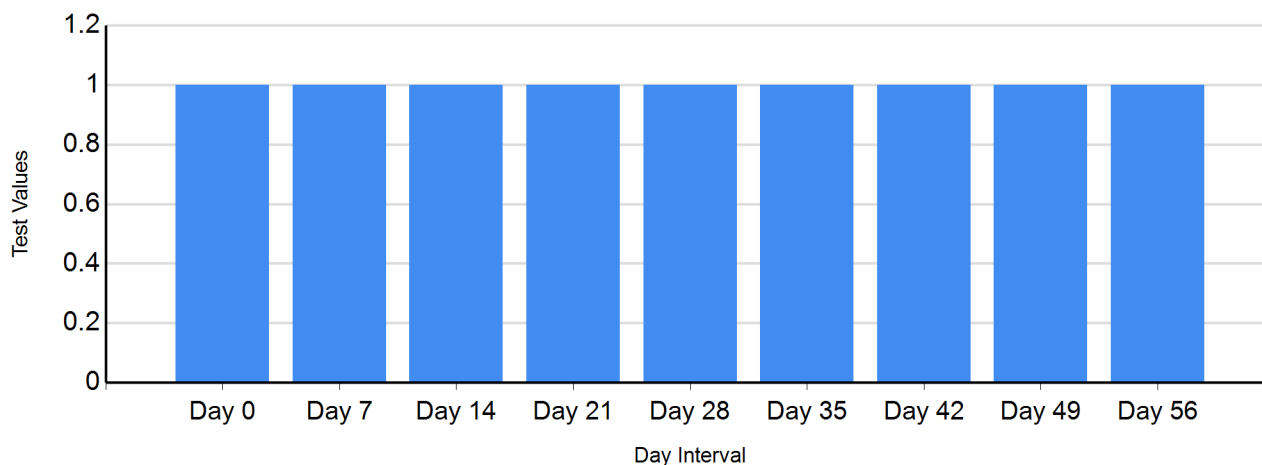
**MICROBIOLOGY
SHELF LIFE DATA**

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

Sample ID Number	2537408	Storage Conditions	40° C 75% RH
Sample Description	The Loaded Vegan Production Date (--) 40° C/75% RH		

Mold, cfu/g, Log Values

Sample Point	Day 0	Day 7	Day 14	Day 21	Day 28
	<1.0	<1.0	<1.0	<1.0	<1.0
Sample Point	Day 35	Day 42	Day 49	Day 56	
	<1.0	<1.0	<1.0	<1.0	

Log10 Values

2537408

It is the customer's responsibility to evaluate the compliance of these results to any regulatory requirement.
Test results apply to the sample as received.

PURSUANT TO 5 U.S.C.(b)(4)

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

Reviewed and Approved by:

Audrey Monroe - Laboratory Director

Date: 9/17/2025

Date: 9/17/2025

Page 8 of 9



Alliance Analytical Laboratories, Inc.

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



**MICROBIOLOGY
SHELF LIFE DATA**

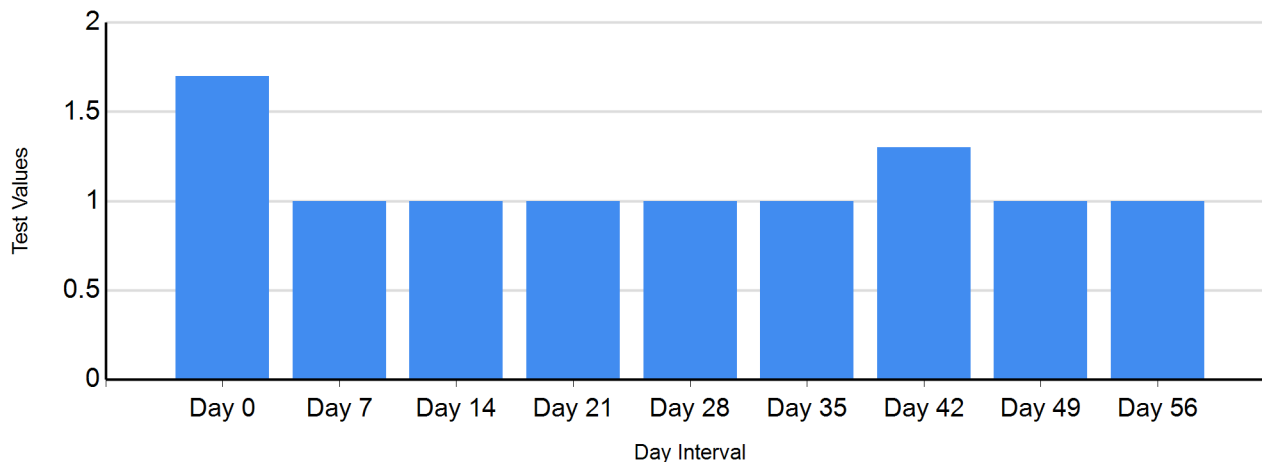
Test methods marked with ^ are accredited under the laboratory's ISO/IEC 17025 accreditation issued by ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation AT-2044

Sample ID Number	2537408	Storage Conditions	40° C 75% RH
Sample Description	The Loaded Vegan Production Date (--) 40° C/75% RH		

Average value of Total Aerobic Plate Count Bacteria Recovered from Product, Log Values

Sample Point	Day 0	Day 7	Day 14	Day 21	Day 28
Average of cfu Recovered/g of Product	1.6	≤1.0	≤1.0	1.0	≤1.0
Sample Point	Day 35	Day 42	Day 49	Day 56	
Average of cfu Recovered/g of Product	1.0	1.3	≤1.0	≤1.0	

Log10 Values



2537408

It is the customer's responsibility to evaluate the compliance of these results to any regulatory requirement.
Test results apply to the sample as received.

PURSUANT TO 5 U.S.C.(b)(4)

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

Reviewed and Approved by:

Audrey Monroe
Audrey Monroe - Laboratory Director

Date: 9/17/2025

Date: 9/17/2025

Page 9 of 9

2537407 C 07/03/2025

Water activity [TP-A034]
Moisture [MA0AC 950.46]
Moisture [MA0AC 950.46]
Water activity [TP-A034]
Moisture [MA0AC 950.46]

2537407 M 07/03/2025

Batt:Yeast [VBAT Ch. 18]
Batt:Yeast [VBAT Ch. 18]
Batt:Aerobic Plate Count [VBAT Ch.3]
Batt:Aerobic Plate Count [VBAT Ch.3]
Batt:Yeast [VBAT Ch. 18]
Batt:Yeast [VBAT Ch. 18]
Batt:Yeast [VBAT Ch. 18]
Batt:Aerobic Plate Count [VBAT Ch.3]

2537407 M 07/03/2025

Batt:Yeast [VBAT Ch. 18]
Batt:Yeast [VBAT Ch. 18]
Batt:Aerobic Plate Count [VBAT Ch.3]
Batt:Yeast [VBAT Ch. 18]
Batt:Yeast [VBAT Ch. 18]
Batt:Aerobic Plate Count [VBAT Ch.3]
Batt:Yeast [VBAT Ch. 18]
Batt:Yeast [VBAT Ch. 18]

2537407 M 07/03/2025

Batt:Aerobic Plate Count [VBAT Ch.3]
Batt:Yeast [VBAT Ch. 18]
Batt:Yeast [VBAT Ch. 18]
Batt:Aerobic Plate Count [VBAT Ch.3]
Batt:Yeast [VBAT Ch. 18]
Batt:Yeast [VBAT Ch. 18]
Batt:Aerobic Plate Count [VBAT Ch.3]
Batt:Yeast [VBAT Ch. 18]

2537407 M 07/03/2025

Batt:Yeast [VBAT Ch. 18]
Batt:Aerobic Plate Count [VBAT Ch.3]
Batt:Yeast [VBAT Ch. 18]

CRANBERRY ORANGE DARK CHOCOLATE

JIMMY'S VEGAN COOKIES

ZERO SUGAR

ZERO SUGAR

CRANBERRY ORANGE DARK CHOCOLATE