

TYCHON PACKAGING INC

Product Quality Summary: Microbiological Testing
Report No.: C24331-41000
Prepared For: TYCHON PACKAGING INC.
Date Reported: 2024-11-27

AIRVIA

Introduction

Tychon Packaging Inc. is committed to providing innovative and high-quality packaging solutions. As part of our comprehensive quality assurance program, we commissioned A&L Canada Laboratories Inc., an independent and accredited laboratory, to conduct thorough microbiological testing on our "Standard Bowl" and "AIRVIA Bowl" products. This document serves as a high-level summary of these tests, designed to affirm our dedication to product safety, integrity, and performance.

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A & L Canada Laboratories Inc.
2136 Jetstream Road, London, ON, N5V 3P5



Testing Scope and Methodology

The microbiological analysis focused on assessing the microbial profiles of both our Standard Bowl (Traditional) and AIRVIA Bowl (New) products under varying environmental conditions. Tests were performed on multiple samples over an extended period in October and November 2024, simulating real-world storage scenarios at:

- Refrigerated Temperature: 4°C
- Room Temperature: 25°C

The specific microbiological parameters evaluated included:

- Total Moulds (using Method Reference: MFHPB-32*)
- Total Yeasts (using Method Reference: MFHPB-32*)
- Total Aerobic Bacteria (using Method Reference: MFHPB-33*)

All testing was conducted according to stringent industry standards by A&L Canada Laboratories Inc., an entity accredited by the Standards Council of Canada and the Canadian Association for Laboratory Accreditation.

Testing Scope and Methodology

Key Quality Assurance Findings

The results from the comprehensive microbiological testing confirm our robust quality control measures. The analysis provided valuable data on the microbial characteristics of both the Standard Bowl and AIRVIA Bowl across different conditions and time points. These findings demonstrate that our products consistently meet our internal quality specifications and reflect our commitment to delivering packaging solutions that maintain their integrity throughout their intended use.

Our Commitment to Quality

At Tychon Packaging Inc., product safety and customer satisfaction are paramount. The microbiological testing program is a cornerstone of our quality management system, ensuring that our products are not only effective but also consistently meet the highest standards of hygiene and quality. We continuously monitor and evaluate our processes to uphold these commitments.

Prepared By & Important Note

Prepared By: Keri Wang, Microbiology Manager (as per Certificate of Analysis) A&L Canada Laboratories Inc.

Note: This document provides a general overview of the microbiological testing performed. The information contained herein pertains solely to the samples tested and analyzed. Reproduction or publication of this summary in whole or in part without the prior written consent and approval of A&L Canada Laboratories Inc. and/or Tychon Packaging Inc. is prohibited.

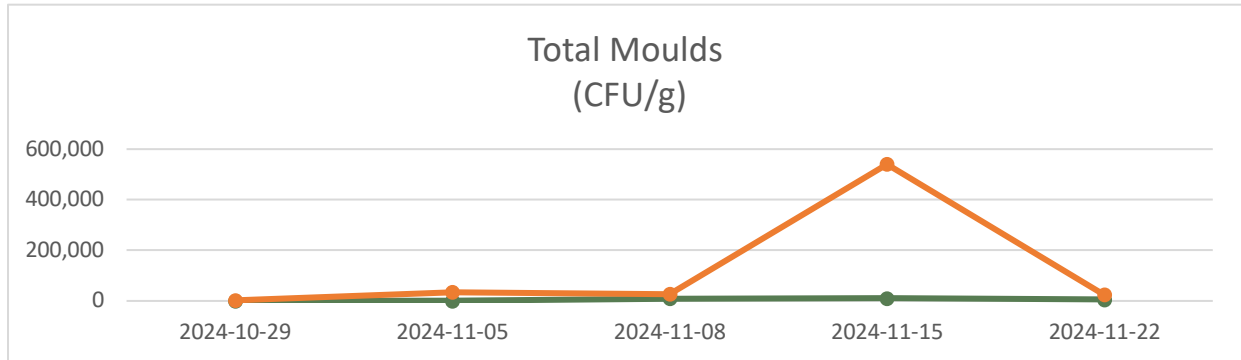
TYCHON PACKAGING INC. AIRVIA: MICROBIOLOGICAL TESTING

Results (25°C AIRVIA versus Traditional Top Seal Bowl)

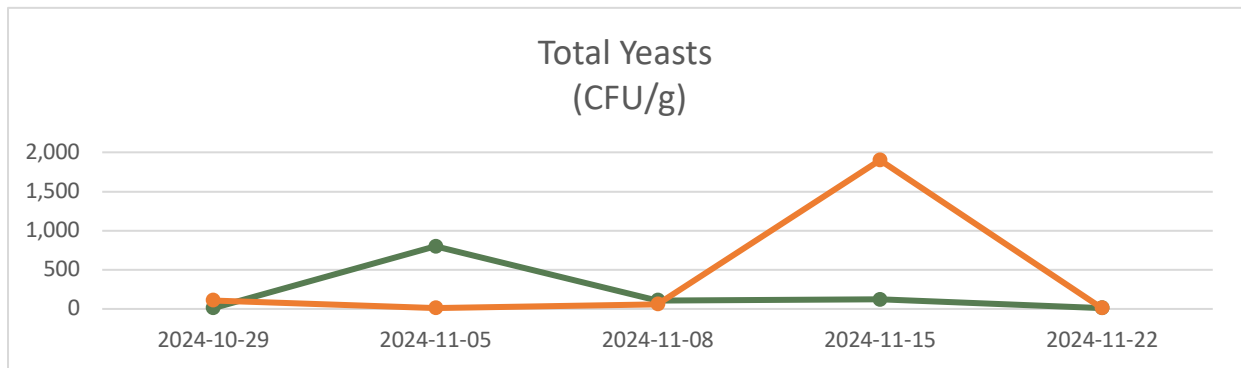
LAB NUMBER	DATE	PRODUCT ID	RESULT (CFU/g)	PRODUCT ID	RESULT (CFU/g)	PARAMETER
3314010	2024-10-29	AV 25C	350	TRADITIONAL 25C	2,100	Total Moulds
3314010	2024-10-29	AV 25C	10	TRADITIONAL 25C	110	Total Yeasts
3314010	2024-10-29	AV 25C	9,200	TRADITIONAL 25C	8,600	Total Aerobic Bacteria
3314018	2024-11-05	AV 25C	880	TRADITIONAL 25C	35,000	Total Moulds
3314018	2024-11-05	AV 25C	800	TRADITIONAL 25C	10	Total Yeasts
3314018	2024-11-05	AV 25C	4,200	TRADITIONAL 25C	3,500	Total Aerobic Bacteria
3314022	2024-11-08	AV 25C	9,700	TRADITIONAL 25C	27,000	Total Moulds
3314022	2024-11-08	AV 25C	110	TRADITIONAL 25C	60	Total Yeasts
3314022	2024-11-08	AV 25C	7,700	TRADITIONAL 25C	10,200	Total Aerobic Bacteria
3314030	2024-11-15	AV 25C	11,100	TRADITIONAL 25C	540,000	Total Moulds
3314030	2024-11-15	AV 25C	120	TRADITIONAL 25C	1,900	Total Yeasts
3314030	2024-11-15	AV 25C	10,100	TRADITIONAL 25C	18,900	Total Aerobic Bacteria
3314038	2024-11-22	AV 25C	5,300	TRADITIONAL 25C	24,000	Total Moulds
3314038	2024-11-22	AV 25C	10	TRADITIONAL 25C	10	Total Yeasts
3314038	2024-11-22	AV 25C	6,000	TRADITIONAL 25C	10,200	Total Aerobic Bacteria

TYCHON PACKAGING INC. AIRVIA: MICROBIOLOGICAL TESTING

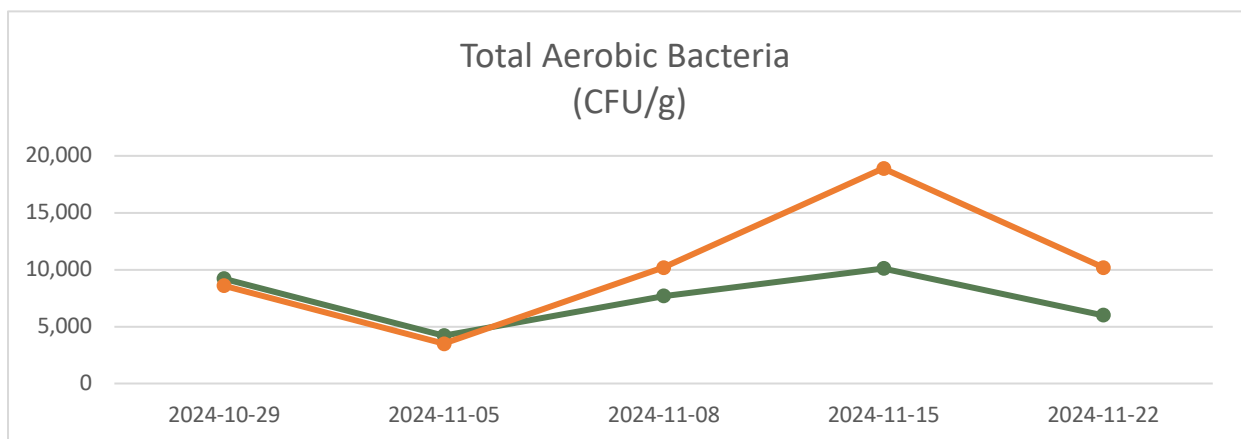
Results (25°C AIRVIA versus Traditional Top Seal Bowl)



• AIRVIA • Traditional



• AIRVIA • Traditional



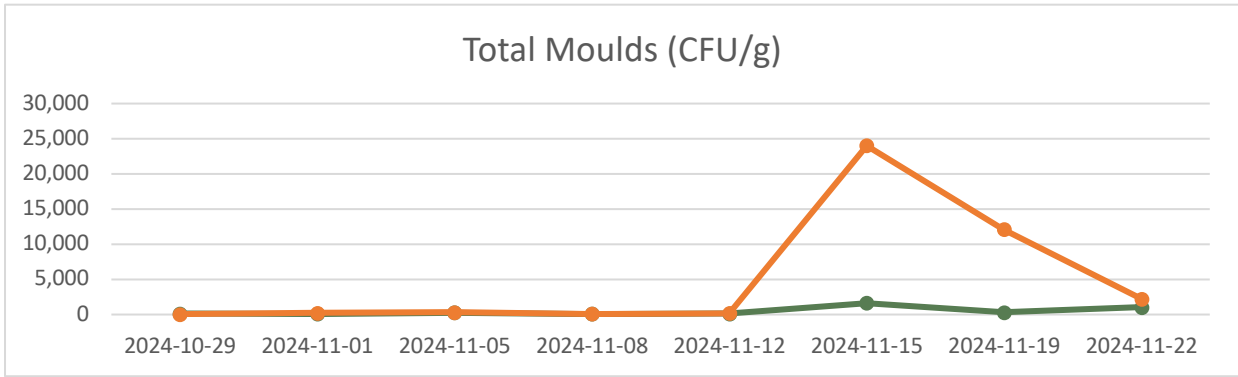
• AIRVIA • Traditional

TYCHON PACKAGING INC. AIRVIA: MICROBIOLOGICAL TESTING

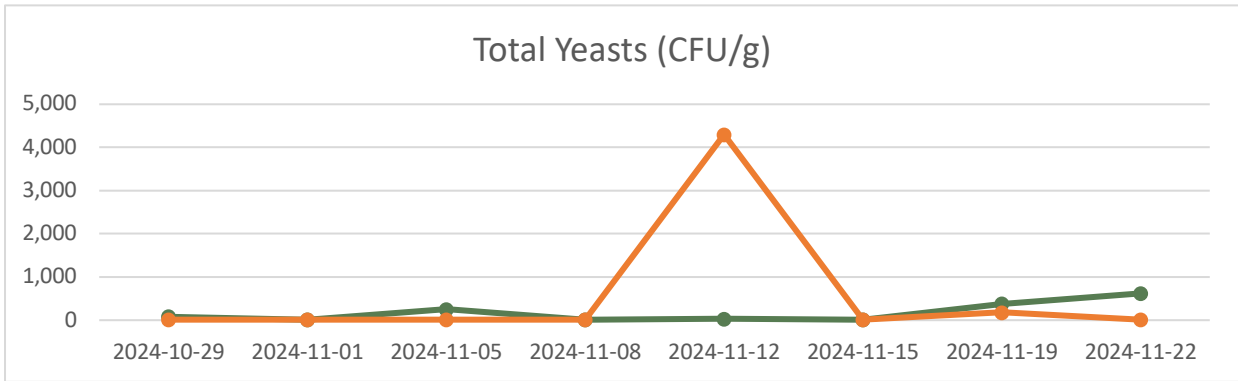
Results (4°C AIRVIA versus Traditional Top Seal Bowl)

LAB NUMBER	DATE	PRODUCT ID	RESULT (CFU/g)	PRODUCT ID	RESULT (CFU/g)	PARAMETER
3314008	2024-10-29	AV 4C	120	TRADITIONAL 4C	50	Total Moulds
3314008	2024-10-29	AV 4C	80	TRADITIONAL 4C	10	Total Yeasts
3314008	2024-10-29	AV 4C	4,900	TRADITIONAL 4C	5,200	Total Aerobic Bacteria
3314012	2024-11-01	AV 4C	70	TRADITIONAL 4C	200	Total Moulds
3314012	2024-11-01	AV 4C	10	TRADITIONAL 4C	10	Total Yeasts
3314012	2024-11-01	AV 4C	7,800	TRADITIONAL 4C	11,200	Total Aerobic Bacteria
3314016	2024-11-05	AV 4C	260	TRADITIONAL 4C	320	Total Moulds
3314016	2024-11-05	AV 4C	250	TRADITIONAL 4C	10	Total Yeasts
3314016	2024-11-05	AV 4C	14,600	TRADITIONAL 4C	11,300	Total Aerobic Bacteria
3314020	2024-11-08	AV 4C	80	TRADITIONAL 4C	90	Total Moulds
3314020	2024-11-08	AV 4C	10	TRADITIONAL 4C	10	Total Yeasts
3314020	2024-11-08	AV 4C	6,500	TRADITIONAL 4C	6,500	Total Aerobic Bacteria
3314024	2024-11-12	AV 4C	120	TRADITIONAL 4C	160	Total Moulds
3314024	2024-11-12	AV 4C	30	TRADITIONAL 4C	4,300	Total Yeasts
3314024	2024-11-12	AV 4C	7,500	TRADITIONAL 4C	6,400	Total Aerobic Bacteria
3314028	2024-11-15	AV 4C	1,610	TRADITIONAL 4C	24,000	Total Moulds
3314028	2024-11-15	AV 4C	10	TRADITIONAL 4C	10	Total Yeasts
3314028	2024-11-15	AV 4C	7,300	TRADITIONAL 4C	10,100	Total Aerobic Bacteria
3314032	2024-11-19	AV 4C	300	TRADITIONAL 4C	12,100	Total Moulds
3314032	2024-11-19	AV 4C	380	TRADITIONAL 4C	180	Total Yeasts
3314032	2024-11-19	AV 4C	7,900	TRADITIONAL 4C	5,600	Total Aerobic Bacteria
3314036	2024-11-22	AV 4C	1,020	TRADITIONAL 4C	2,200	Total Moulds
3314036	2024-11-22	AV 4C	620	TRADITIONAL 4C	10	Total Yeasts
3314036	2024-11-22	AV 4C	8,300	TRADITIONAL 4C	17,200	Total Aerobic Bacteria

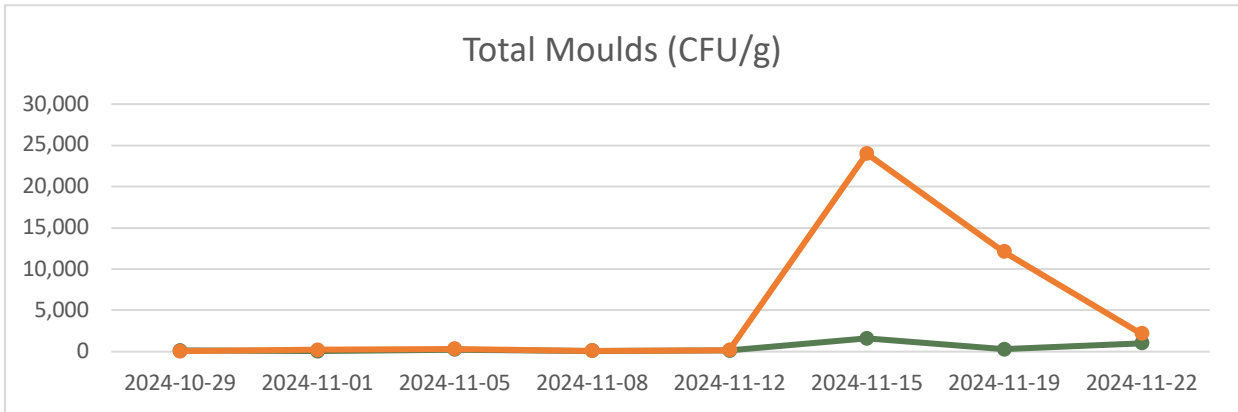
Results (4°C AIRVIA versus Traditional Top Seal Bowl)



• AIRVIA • Traditional



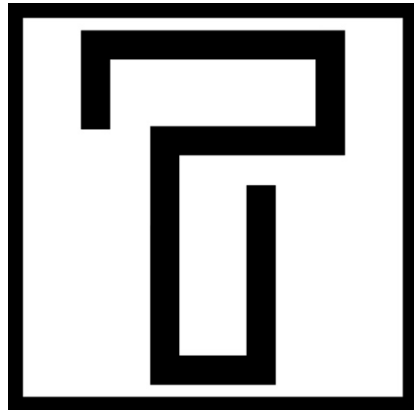
• AIRVIA • Traditional



• AIRVIA • Traditional

Patent Pending

This product incorporates innovative technologies for which patent protection is being sought. Tychon Packaging Inc's patent-pending status signifies that a patent application has been filed with the appropriate patent office, and we are actively pursuing intellectual property rights to safeguard our unique advancements. This commitment to innovation ensures that we continue to deliver ground-breaking solutions to our customers.



TYCHON PACKAGING INC.

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