

ESIANLAB, S. C.

Análisis de: Alimentos, Agua, Bebidas, Cosméticos, Agroindustria, Etiquetado Nutricional, Asesoría y Cursos

RESULTS REPORT

Report issue date: March 25, 2024 Report ID: 3756	Custody chain: 15277 Work order: 686/24
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Sample description		Sampling data
Sample's number: 2747 Date and time: 02/29/2024 16:00 Container: Can	Quantity: 3 pieces of 2,8 kg. Temperature: 20,1 °C Origin: Parcel delivered	Date and time: Not applicable Responsible: Not applicable

Information provided by the client	
Client	Contact information
Empacadora del Golfo de México S.A. de C.V.	Av. Framboyanes No. 1393, Cd. Industrial Bruno Pagliai Veracruz, Veracruz.
Sample data	
Whole tomatillo in brine 6 lbs 3 oz (TV), Batch 4053, Best before 22/02/2027.	Date and time: 02/22/2024 Responsible: Adriana Cruzado

MICROBIOLOGICAL ANALYSIS

AAA	PARAMETER	RESULTS	UNIT	ASSAY		REFERENCE METHOD
				DATE	TIME	
1	Aerobic mesophiles	Negative	N/A	02/29/2024	16:38	NOM 130 SSA1 1995 Normative appendix B
1	Anaerobic mesophiles	Negative	N/A	02/29/2024	16:38	NOM 130 SSA1 1995 Normative appendix B
1	Molds	Negative	N/A	02/29/2024	16:38	NOM 130 SSA1 1995 Normative appendix B
1	Yeast	Negative	N/A	02/29/2024	16:38	NOM 130 SSA1 1995 Normative appendix B

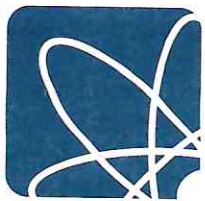
Analyzed by: epc

Eivette Perez
LCA EIVETTE PEREZ COVARRUBIAS
AUTHORIZED SIGNATORY
MICROBIOLOGY ANALYST

C. Badillo
BIOL. MARÍA DEL CARMEN BADILLO MTZ.
AUTHORIZED SIGNATORY
GENERAL MANAGER

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End of results report.
The form AC-F90 Results Report Annex is an integral part of this results report.

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RESULTS REPORT ANNEX

Work order: 4036/23

Symbology

AAA	Accreditations, Authorizations and Approbations	°C	Celsius degrees
CFU	Colony forming units	h	Hours
EV	Estimated value	ng	nanogram
MPN	Most probable number	µg	microgram
Less than	Not detected/No growth (Microbiology)	mg	milligram
	Minimum quantifiable amount (Physicochemical)	g	gram
	Practical Limit of Quantification (Instrumental)	kg	kilogram
N/A	No applicable	mL	milliliter
U	Expanded uncertainty (k=2)	L	liter
MF	Membrane Filtration	IU	International Units
P-A	Presence - Absence	±	more / less
r	The decimal sign is a comma on the line in accordance with the NOM 008 SCFI 2002.		

Additional microbiology information

Determination	Culture medium	Incubation	
		Temperature	Time
Aerobic plate count (CFU)	Standard count agar plates.	35 ± 2 °C	48 ± 2h (Food) 24 ± 2h (Water)
Aerobic Thermophilic Bacteria (CFU)	Standard count agar plates.	55 ± 2 °C	48 ± 2h
Molds and yeasts (CFU)	Acidified potato dextrose agar plates.	25 ± 1 °C	5 days
Total Coliform Organisms (CFU)	Violet red bile agar plates.	35°C	18 a 24h
<i>Staphylococcus aureus</i> (CFU)	Baird-Parker agar plates.	36 ± 1 °C	44 a 48h
<i>Pseudomonas aeruginosa</i> (P-A)	Asparagine broth.	35 ± 1 °C	48h
<i>Salmonella spp</i> (P-A)	XLD agar plates, Bismuth Sulfite, Brilliant Green.	36 ± 1 °C	48 to 72h
<i>Listeria monocytogenes</i> (P-A)	Oxford and Palcam agar plates.	30 and 36 ± 1 °C	24 to 48h
Total Coliforms and <i>E. coli</i> (CFU)	Violet red bile agar plates with MUG.	35°C	18 to 24h
Aerobic plate count (MF)	m-HPCA agar plates.	32°C (Dairy)	48 ± 2h
Total Coliforms and <i>E. coli</i> (MF)	Plates with MI broth.	35 ± 0.5 °C	48 ± 2h
Enterobacteriaceae (CFU and P-A)	Violet red bile glucose agar plates.	35°C	24h
Total Coliform Organisms (MPN)	Brilliant green bile lactose broth.	37°C	24 ± 2h
Fecal Coliform Organisms (MPN)	<i>Escherichia coli</i> broth.	35 ± 0.5 °C	48 ± 2h
<i>Escherichia coli</i> (MPN)	EMB-L agar plates.	44.5 ± 0.2 °C (Water) 45.5 ± 0.2 °C (Food)	24 to 48h
<i>Bacillus cereus</i> (CFU)	MYP (Mannitol-Yolk-Polymyxin) agar plates.	35 ± 1 °C	18 to 24h
<i>Vibrio cholerae</i> (P-A)	TCBS agar plates.	30°C	18 to 24h
<i>Clostridium perfringens</i> (CFU)	TSC agar plates (Anaerobiosis).	35° a 37°C	18 to 24h
Sulfite reducing bacteria (CFU)	Iron Sulfite agar plates (Anaerobiosis).	35°C	20 to 24h
Sulfite reducing thermophilic bacteria (CFU)	Iron Sulfite agar plates (Anaerobiosis).	37 ± 1 °C	24 to 48h
Lactic-acid bacteria (CFU)	MRS agar plates (Man-Rogosa-Sharpe).	50 ± 1 °C	24 to 48h
<i>E. coli</i> O157:H7 y STEC (P-A)	BPW broth and 3M molecular detection system (MDS).	30°C	72 ± 2h
Molecular Detection	BPW broth and 3M molecular detection system (MDS).	41.5 ± 1 °C	18 to 24h
<i>Salmonella spp</i> (P-A)	BPW broth and 3M molecular detection system (MDS).	35 ± 2 °C	18 to 24h
Molecular Detection	BPW broth and 3M molecular detection system (MDS).	42 ± 1 °C	15 to 24h
<i>Listeria monocytogenes</i> (P-A)	Fraser Demi Broth and 3M Molecular Detection System (MDS).	37 ± 1 °C	24 to 32h
Molecular Detection	Fraser Demi Broth and 3M Molecular Detection System (MDS).	37 ± 1 °C	24 to 32h
<i>Staphylococcus aureus</i> (CFU-Petrifilm)	3M Petrifilm Staph express count plates.	35 ± 1 °C	44 to 48h
<i>Escherichia coli</i> (CFU-Petrifilm)	3M Petrifilm <i>E. coli</i> and Coliform Count Plates.	35 ± 1 °C	18 to 24h

Accreditations, authorizations y approbations

No.	Accreditation Entity and/or Normalizing Authority
1	Accredited Test, Testing Laboratory Accredited by EMA A.C. in the Food branch with accreditation No. A-032-004/09 valid as of 2009/07/17 and updated on 2022/04/21
2	Approved Test, Testing Laboratory Approved by the Ministry of Economy, with Approval No. A-032-004/09. Valid for an indefinite period from 2019/03/19.
3	Authorized Test, Authorized Testing Laboratory in Confirmation by the General Directorate of Animal Health of SENASICA-SADER, with authorization AutoConst-038, valid as of 2022/10/26.
4	Authorized Test, Third-Party Testing Laboratory Authorized by the Federal Commission for the Protection against Sanitary Risks (COFEPRIS), with Authorization No. TA-24-21 Valid from June 4, 2021, to June 4, 2023. Extension request in process .
5	Accredited Test, Testing Laboratory Accredited by EMA A.C. in the Agricultural Health branch with accreditation No. SA-1446-046/21 valid as of 2021/11/30.
6	Approved Test, Approved Testing Laboratory in Verification of Toxic Residues and Microbiological Contaminants by the General Directorate of Animal Health of SADER-SENASICA, with approval number Const-011, valid as of 02/01/2027.
7	Authorized Testing, Authorized Testing Laboratory in Verification for Internal Quality Control by the General Directorate of Animal Health of SADER-SENASICA, with authorization number C.C.159, valid as of 12/2027/12.
*	Assay not accredited, approved, or authorized. Realized under the accredited management system in the NMX-EC-17025-IMNC-2018 standard (ISO/IEC 17025:2017).

This format is an integral part of the AC-F24 Results Report
End of Results Report

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