



REFERENCE MATERIAL CERTIFICATE



This certificate supersedes all previous issues.

A2LA Accredited
Reference Material Producer
Certificate Number 3189.03

Product Name MV0029 Water/Food Universal Daily Control

Batch Number RM5818

Hazard Information This material contains micro-organisms. Please take suitable precautions at all times when handling this reference material. Please download Safety Data Sheet via below link:
[SDS Microbiological Reference Material](#)

Description of the Material Freeze dried pellet

Presentation

Individual units are heat sealed in a plastic bag and placed in a plastic jar
Number of Units provided: Three (3)
Each unit consists of: 1 pellet
Units are contained in: Stoppered glass vials

Target Organism Content

Organism Name (IFM Number)

- Bacillus cereus (1604)*
- Clostridium perfringens (1704)*
- Enterococcus faecalis (3301)*
- Escherichia coli (2005)*
- Klebsiella aerogenes (2201)*
- Pseudomonas aeruginosa (5005)*

<i>Intended Use</i>	Microbiological Reference Material
<i>Instructions for Use</i>	<p>Store unopened material at 3 °C - 5°C protected from light until used. Use aseptic technique at all times.</p> <p>Add 10.0 mL Peptone Water or Butterfields solution. Dissolve the pellet using a sterile transfer pipette and mix thoroughly. Stand for 30 minutes, protected from light. Dilute to achieve counts in suitable ranges for work being undertaken.</p> <p>Mix thoroughly before testing to resuspend settled product. Materials must only be used on the day of preparation. Once prepared, materials must be stored between 3 °C - 5°C protected from light.</p> <p>Values quoted in this certificate do not apply when the reference material is used in a manner contrary to the instructions. Values quoted have been statistically verified using the instructions described above. The specified volume in the instructions is the minimum sample size required to yield the defined quantitative parameters.</p>
<i>Date of Certification</i>	February 17, 2025
<i>Certificate Expiry</i>	May 21, 2025 This material will be recertified after this expiry date.
<i>Product Expiry</i>	October 31, 2025

Certified values and their uncertainties

Data was log transformed prior to applying statistical processes. The assigned value is the average of results on the declared day of test. The uncertainty of the assigned value is the largest standard error of each conducted test series. The lower limit takes into account the expected decline of the microbe levels over the certification interval. These have been calculated using all factors as described in ISO 17034.

Tests were conducted on: February 10, 2025
5 replicate data points were used to generate this certificate

Results are expressed as cfu/vial

Test Name (Method Reference)	Assigned Value	Uncertainty of the Assigned Value (log)	Standard Deviation (log)	Calculated Limits for Daily Control Purposes	
				High limit	Low limit
Bacillus (IFM0719.2)	6.8E+03	0.02	0.05	2.4E+04	1.4E+03
Clostridium perfringens (IFM0718.1)	2.8E+03	0.03	0.06	9.9E+03	7.7E+02
Coliform (IFM0705)	5.9E+04	0.05	0.10	1.1E+05	6.1E+03
E. coli count (IFM0705)	4.8E+04	0.05	0.12	1.2E+05	9.5E+03
Enterococcus (IFM0711.2)	2.5E+04	0.02	0.05	1.0E+05	4.8E+03
Ps.aeruginosa (IFM0709.1)	1.6E+04	0.04	0.10	6.9E+04	7.3E+02
SPC (IFM0701.3)	1.3E+05	0.03	0.06	3.1E+05	4.3E+04

Additional Test Comments/Information

*Test Names marked with an * are not within the scope of accreditation*

Authorised By

Trevor Rumbekuan, Production Officer

Control Chart for:

Bacillus (IFM0719.2)

Certification Date: 17/02/2025

Expiry: 21/05/2025

less than	1436																			
	1437	to	5837																	
	5938	to	10438																	
	10439	to	14939																	
	14940	to	19440																	
	19441	to	23941																	
	more than		23941																	

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CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained																

Assessed and reviewed by:

Comments:

Control Chart for:

Clostridium perfringens (IFM0718.1)

Certification Date: 17/02/2025

Expiry: 21/05/2025

less than	772
773	to 2600
2601	to 4427
4428	to 6254
6255	to 8081
8082	to 9909
more than	9909

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CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 772	773 to 2600	2601 to 4427	4428 to 6254	6255 to 8081	8082 to 9909	more than 9909	Date / Initials
Assessed and reviewed by:			Comments:										

Control Chart for:

Coliform (IFM0705)

Certification Date: 17/02/2025

Expiry: 21/05/2025

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	6138	6139	to	26650	26651	to	47162	47163	to	67675	67676	to	88187	88188	to	108699	more than	108699	MV0029 Water/Food Universal Daily Control RM5818	
						Date / Initials																				
Assessed and reviewed by:			Comments:																							

Control Chart for:

E. coli count (IFM0705)

Certification Date: 17/02/2025

Expiry: 21/05/2025

9 489
less than
9490 to 30879
30880 to 52270
52271 to 73661
73662 to 95051
95052 to 116442
more than 116442

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CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 9 489	9490 to 30879	30880 to 52270	52271 to 73661	73662 to 95051	95052 to 116442	more than 116442	Date / Initials
Assessed and reviewed by:			Comments:										

Control Chart for:

Enterococcus (IFM0711.2)

Certification Date: 17/02/2025

Expiry: 21/05/2025

less than 4795
4796 to 23878
23879 to 42962
42963 to 62045
62046 to 81128
81129 to 100211
more than 100211

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CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 4795	4796 to 23878	23879 to 42962	42963 to 62045	62046 to 81128	81129 to 100211	more than 100211	Date / Initials

Assessed and reviewed by:

Comments:

Control Chart for:

Ps.aeruginosa (IFM0709.1)

Certification Date: 17/02/2025

Expiry: 21/05/2025

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 731	732	to 14324	14325	to 27916	27917	to 41509	41510	to 55102	55103	to 68695	more than 68695	MV0029 Water/Food Universal Daily Control RM5818	Date / Initials
Assessed and reviewed by:			Comments:																

Control Chart for:

SPC (IFM0701.3)

Certification Date: 17/02/2025

Expiry: 21/05/2025

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CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 42734	42735 to 97110	97111 to 151486	151487 to 205862	205863 to 260237	260238 to 314613	more than 314613	Date / Initials
Assessed and reviewed by:			Comments:										