



REFERENCE MATERIAL CERTIFICATE

This certificate supersedes all previous issues.



A2LA Accredited
Reference Material Producer
Certificate Number 3189.03

Product Name FM0030 Hygiene/Coliform Daily Control

Batch Number RM6042

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 Powdered Food Material

Presentation

	Each set is heat sealed in a plastic bag
Number of Units provided:	Five (5)
Each unit consists of:	10-12 g
Units are contained in:	Heat-sealed packet/sachet

Target Organism Content

Organism Name (IFM Number)
Aspergillus niger (0019)
Candida utilis (0016)
Escherichia coli (2005)
Klebsiella aerogenes (2201)

Intended Use	Microbiological Reference Material
Instructions for Use	<p>Store unopened material at 2°C - 6°C protected from light until used. Use aseptic technique at all times.</p> <ol style="list-style-type: none">1. Accurately weigh a minimum of 10 g of powder.2. Prepare a working solution using Peptone Water or Butterfields Solution.3. While the most common dilution is 1:10, any ratio can be used to yield desired counts.4. The presented powder is ready-to-test. <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 at 2°C - 6°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>
Date of Certification	April 15, 2026
Certificate Expiry	July 31, 2026 This is the final certificate
Product Expiry	July 31, 2026

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 expanded uncertainty of the assigned value is based on the combined standard uncertainty in accordance with ISO 17034 (where k = 2 is the coverage factor for 95% confidence). 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:

April 10, 2026

5 replicate data points were used to generate this certificate

Results are expressed as cfu/g of material that is "ready-to-test".

Test Name (Method Reference)	Assigned Value	Expanded Uncertainty (log ₁₀ value)	Standard Deviation (log ₁₀ value)	Calculated Limits for Daily Control Purposes	
				High limit	Low limit
Coliform Count (IFM0705)	1.2E+04	0.23	0.13	1.9E+04	3.8E+03
E. coli Count (IFM0705)	1.1E+04	0.30	0.13	2.1E+04	2.1E+03
Mould Count (IFM0703.3)	3.2E+03	0.26	0.05	5.8E+03	1.3E+03
Standard Plate Count (IFM0701.3)	4.7E+04	0.17	0.10	6.6E+04	2.4E+04
Yeast Count (IFM0703.1)	9.5E+02	0.21	0.09	1.5E+03	3.0E+02

Additional Test Comments/Information

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

Authorised By

Samuel Baillie, Production Technician

Control Chart for:

Coliform Count (IFM0705)

Certification Date: 15/04/2026

Expiry: 31/07/2026

less than	3824	
3825	to	6771
6772	to	9718
9719	to	12665
12666	to	15612
15613	to	18559
more than	18559	

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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	3825	to	6771	6772	to	9718	9719	to	12665	12666	to	15612	15613	to	18559	more than	18559	Date / Initials	

Assessed and reviewed by:

Comments:

Control Chart for:

E. coli Count (IFM0705)

Certification Date: 15/04/2026

Expiry: 31/07/2026

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 2086	2087	to 5927	5928	to 9769	9770	to 13611	13612	to 17453	17454	to 21295	more than 21295	FM0030 Hygiene/Coliform Daily Control RM6042	
																			Date / Initials
Assessed and reviewed by:			Comments:																

Control Chart for:

Mould Count (IFM0703.3)

Certification Date: 15/04/2026

Expiry: 31/07/2026

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	1260	1261	to	2162	2163	to	3064	3065	to	3967	3968	to	4869	4870	to	5771	more than	5771	FM0030 Hygiene/Coliform Daily Control RM6042	
Assessed and reviewed by:			Comments:																							

Control Chart for:

Standard Plate Count (IFM0701.3)

Certification Date: 15/04/2026

Expiry: 31/07/2026

24174
less than
24175
to
32584
to
32585
to
40993
to
40994
to
49403
to
49404
to
57813
to
57814
to
66222
more than
66223

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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 24174	24175 to	32584 to	32585 to	40993 to	40994 to	49403 to	49404 to	57813 to	57814 to	66222 more than	66223

Assessed and reviewed by:

Comments:

Control Chart for:

Yeast Count (IFM0703.1)

Certification Date: 15/04/2026

Expiry: 31/07/2026

less than	300
301 to	538
539 to	777
778 to	1015
1016 to	1254
1255 to	1492
more than	1492

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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 300	301 to 538	539 to 777	778 to 1015	1016 to 1254	1255 to 1492	more than 1492	Date / Initials
Assessed and reviewed by:			Comments:										