



REFERENCE MATERIAL CERTIFICATE

This certificate supersedes all previous issues.



A2LA Accredited
Reference Material Producer
Certificate Number 3189.03

Product Name		FM0030 Hygiene Daily Control
Batch Number		RM5824
Hazard Information		<p>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:</p> <p>SDS Microbiological Reference Material</p>
Description of the Material		Generic powder
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		<p>Organism Name (IFM Number)</p> <p><i>Aspergillus niger</i> (0019)</p> <p><i>Candida utilis</i> (0016)</p> <p><i>Escherichia coli</i> (2005)</p> <p><i>Klebsiella aerogenes</i> (2201)</p>

Intended Use	Microbiological Reference Material	
Instructions for Use	Store unopened material at 2°C - 6°C protected from light until used. Use aseptic technique at all times.	
	Accurately weigh a minimum of 10 g of powder and prepare a working solution using Peptone Water or Butterfields Solution. While the most common dilution is 1:10, any ratio can be used to yield desired counts. The presented powder is ready-to-test.	
	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.	
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.		
Date of Certification	November 27, 2025	
Certificate Expiry	March 31, 2026	This is the final certificate
Product Expiry	March 31, 2026	

Certified values and their uncertainties

Tests were conducted on:

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.

November 18, 2025

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	Uncertainty of the Assigned Value (log)	Standard Deviation (log)	Calculated Limits for Daily Control Purposes	
				High limit	Low limit
Coliform Count (IFM0705)	2.5E+03	0.07	0.16	4.5E+03	5.7E+02
E. coli Count (IFM0705)	2.2E+03	0.07	0.15	5.3E+03	4.4E+02
Mould Count (IFM0703.3)	4.6E+03	0.03	0.06	7.7E+03	2.2E+03
Standard Plate Count (IFM0701.3)	2.3E+04	0.02	0.05	5.5E+04	5.9E+03
Yeast Count (IFM0703.3)	6.0E+01	0.06	0.12	1.5E+02	1.3E+01

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: Coliform Count (IFM0705)						574											FM0030 Hygiene Daily Control	
Certification Date: 27/11/2025						Expiry: 31/03/2026												RM5824
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	575	to	1365	to	2155	to	2945	to	3736	to	4525	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: E. coli Count (IFM0705)						440		1408		2376		3344		4312		5279		FM0030 Hygiene Daily Control	
Certification Date: 27/11/2025						Expiry: 31/03/2026												RM5824	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	441	to	1409	to	2377	to	3345	to	4313	to	5279	more than	5279
Assessed and reviewed by:			Comments:																

Control Chart for: Mould Count (IFM0703.3)						2186											FM0030 Hygiene Daily Control	
Certification Date: 27/11/2025						Expiry: 31/03/2026												RM5824
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	2187	to	3296	to	4406	to	5515	to	6625	to	7733	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Standard Plate Count (IFM0701.3)						5916		5917	to	15644		15645	to	25372		25373	to	35100		35101	to	44828		44829	to	54556		54556	more than	FM0030 Hygiene Daily Control
Certification Date: 27/11/2025						Expiry: 31/03/2026														RM5824										
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than																							Date / Initials	
Assessed and reviewed by:			Comments:																											

Control Chart for: Yeast Count (IFM0703.3)						13		41		68		95		122		150		FM0030 Hygiene Daily Control
Certification Date: 27/11/2025						Expiry: 31/03/2026												RM5824
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	14	to	42	to	69	to	96	to	123	to	more than 150	Date / Initials
Assessed and reviewed by:			Comments:															