



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

<i>Intended Use</i>	Microbiological Reference Material	
<i>Instructions for Use</i>	<p>Store unopened material at 2°C - 6°C protected from light until used. Use aseptic technique at all times.</p> <p>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.</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 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>	
<i>Date of Certification</i>	September 2, 2025	
<i>Certificate Expiry</i>	November 28, 2025	This material will be recertified after this expiry date.
<i>Product Expiry</i>	March 31, 2026	

Certified values and their uncertainties

Tests were conducted on: August 18, 2025
5 replicate data points were used to generate this certificate

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.

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)	3.4E+03	0.03	0.06	6.2E+03	9.6E+02
E. coli Count (IFM0705)	2.5E+03	0.04	0.09	6.1E+03	6.0E+02
Mould Count (IFM0703.3)	4.2E+03	0.04	0.09	7.1E+03	2.1E+03
Standard Plate Count (IFM0701.3)	2.4E+04	0.05	0.11	5.7E+04	6.9E+03
Yeast Count (IFM0703.3)	6.9E+02	0.06	0.14	1.7E+03	1.8E+02

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)						962											FM0030 Hygiene Daily Control							
Certification Date: 2/09/2025						Expiry: 28/11/2025											RM5824							
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	963	to	2013	2014	to	3065	3066	to	4117	4118	to	5169	5170	to	6220	more than	6220	Date / Initials
Assessed and reviewed by:			Comments:																					

Control Chart for: E. coli Count (IFM0705)						599	1693	2788	3883	4977	6072	FM0030 Hygiene Daily Control RM5824	
Certification Date: 2/09/2025						less than	600	1694	2789	3884	4978		more than
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained		to	to	to	to			Date / Initials
Assessed and reviewed by:			Comments:										

Control Chart for:

Mould Count (IFM0703.3)

Certification Date: 2/09/2025

Expiry: 28/11/2025

[illegible]

Control Chart for: Standard Plate Count (IFM0701.3)						6907												FM0030 Hygiene Daily Control	
Certification Date: 2/09/2025						Expiry: 28/11/2025												RM5824	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	6908	to	16865	to	26821	to	36778	to	46736	to	56693	more than	Date / Initials
Assessed and reviewed by:			Comments:																

Control Chart for: Yeast Count (IFM0703.3)						176											FM0030 Hygiene Daily Control RM5824							
Certification Date: 2/09/2025						Expiry: 28/11/2025																		
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	177	to	485	486	to	793	794	to	1101	1102	to	1410	1411	to	1716	more than	1718	Date / Initials
Assessed and reviewed by:			Comments:																					