



## REFERENCE MATERIAL CERTIFICATE



A2LA Accredited  
Reference Material Producer  
Certificate Number 3189.03

This certificate supersedes all previous issues.

**Product Name** FM0030 Hygiene Daily Control

**Batch Number** RM5638

**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:	Plastic sachet

**Target Organism Content**

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

<b><i>Intended Use</i></b>	Microbiological Reference Material
<b><i>Instructions for Use</i></b>	<p>Store unopened material at 3 °C - 5°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 as presented.</p> <p>Once prepared, materials must be stored between 3 °C - 5°C protected from light. Mix thoroughly before testing to resuspend settled product. Materials must only be used on the day of preparation.</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>
<b><i>Date of Certification</i></b>	November 28, 2024
<b><i>Certificate Expiry</i></b>	February 26, 2025 <span style="float: right;">This material will be recertified after this expiry date.</span>
<b><i>Product Expiry</i></b>	March 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: November 18, 2024  
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 (IFM0705)	1.3E+03	0.03	0.07	2.4E+03	3.8E+02
E. coli count (IFM0705)	5.5E+02	0.04	0.09	1.3E+03	1.3E+02
Mould (IFM0703.3)	3.8E+03	0.03	0.07	6.4E+03	1.9E+03
SPC (IFM0701.3)	1.2E+04	0.03	0.06	2.7E+04	3.4E+03
Yeast (IFM0703.3)	2.3E+03	0.04	0.10	5.8E+03	6.0E+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 (IFM0705)

Certification Date: 28/11/2024

Expiry: 26/02/2025

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	381	to	792	to	1203	to	1613	to	2024	to	2435	more than	2435	FM0030 Hygiene Daily Control
																				Date / Initials
Assessed and reviewed by:			Comments:																	

Control Chart for:

**E. coli count (IFM0705)**

Certification Date: 28/11/2024

Expiry: 26/02/2025

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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 131	132 to 369	370 to 606	607 to 843	844 to 1081	1082 to 1316	more than 1318	Date / Initials
Assessed and reviewed by:			Comments:										

Control Chart for:

### Mould (IFM0703.3)

Certification Date: 28/11/2024

Expiry: 26/02/2025

less than	1909	1910	to	2810	2811	to	3710	3711	to	4610	4611	to	5510	5511	to	6410	more than	6410
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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	1909	1910	to	2810	2811	to	3710	3711	to	4610	4611	to	5510	5511	to	6410	more than	6410	Date / Initials	

Assessed and reviewed by:

Comments:

Control Chart for:

SPC (IFM0701.3)

Certification Date: 28/11/2024

Expiry: 26/02/2025

3360  
less than  
3361 to 8164  
8165 to 12967  
12968 to 17770  
17771 to 22574  
22575 to 27377  
more than 27377

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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	3361 to	8165 to	12968 to	17771 to	22575 to	27377	more than	Date / Initials
Assessed and reviewed by:			Comments:											

Control Chart for:

### Yeast (IFM0703.3)

Certification Date: 28/11/2024

Expiry: 26/02/2025

less than	604	
605	to	1652
1653	to	2700
2701	to	3747
3748	to	4795
4796	to	5842
more than	5842	

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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	604	605	to	1652	1653	to	2700	2701	to	3747	3748	to	4795	4796	to	5842	more than	5842	Date / Initials	

Assessed and reviewed by:

Comments: