



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 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:
http://proficiency.ifmqs.com.au/dropbox/information/QMT025_MSDS_Microbiological_Reference_Material.pdf

Description of the Material Generic powder

Presentation

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

Target Organism Content

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

<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>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 can be stored between 3 °C - 5°C protected from light. Mix thoroughly before testing to resuspend settled product. Materials can be used throughout the day. Use the materials within 24 hours.</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 9, 2024
<i>Certificate Expiry</i>	December 5, 2024 This material will be recertified after this expiry date.
<i>Product Expiry</i>	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: August 27, 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)	1.9E+03	0.07	0.15	3.6E+03	5.6E+02
E. coli count (IFM0705)	4.8E+02	0.02	0.04	1.2E+03	1.2E+02
Mould (IFM0703.3)	2.4E+03	0.04	0.08	4.0E+03	1.2E+03
SPC (IFM0701.3)	1.8E+04	0.02	0.04	4.2E+04	5.1E+03
Yeast (IFM0703.3)	1.9E+03	0.03	0.07	4.8E+03	5.0E+02

Additional Test Comments/Information

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

Authorised By

Trevor Rumbekuan, Production Officer

