



## REFERENCE MATERIAL CERTIFICATE



This certificate supersedes all previous issues.

A2LA Accredited  
Reference Material Producer  
Certificate Number 3189.03

<b>Product Name</b>	FM0031 Gram +ve Daily Control	
<b>Batch Number</b>	RM5654	
<b>Hazard Information</b>	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: <a href="#">SDS Microbiological Reference Material</a>	
<b>Description of the Material</b>	Generic powder	
<b>Presentation</b>	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
<b>Target Organism Content</b>	<b>Organism Name (IFM Number)</b> <i>Bacillus cereus (1600)</i> <i>Lactiseibacillus rhamnosus (1504)</i> <i>Staphylococcus aureus (3004)</i>	

<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.</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 between 3 °C - 5°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>
<b><i>Date of Certification</i></b>	February 10, 2025
<b><i>Certificate Expiry</i></b>	May 28, 2025 <span style="float: right;">This material will be recertified after this expiry date.</span>
<b><i>Product Expiry</i></b>	March 15, 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 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: January 28, 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
Bacillus (IFM0719.2)	1.1E+04	0.02	0.05	3.9E+04	2.6E+03
Coag +ve Staph (IFM0716.2)	4.4E+03	0.05	0.12	1.0E+04	1.0E+03
Lactic (IFM0710.3)	2.5E+04	0.02	0.05	3.0E+05	1.4E+03
SPC (IFM0701.3)	3.3E+04	0.04	0.10	7.8E+04	8.9E+03

Additional Test Comments/Information

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

**Authorised By**

Trevor Rumbekuwan, Production Officer







