



REFERENCE MATERIAL CERTIFICATE

This certificate supersedes all previous issues.



A2LA Accredited
Reference Material Producer
Certificate Number 3189.03

Product Name	FM0031 Gram +ve Daily Control	
Batch Number	RM5654	
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	Number of Units provided: Five (5) Each unit consists of: 10-12 g Units are contained in: Heat-sealed packet/sachet	Each set is heat sealed in a plastic bag
Target Organism Content	Organism Name (IFM Number) <i>Bacillus cereus</i> (1600) <i>Lactiseibacillus rhamnosus</i> (1504) <i>Staphylococcus aureus</i> (3004)	

<i>Intended Use</i>	Microbiological Reference Material	
<i>Instructions for Use</i>	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.	
<i>Date of Certification</i>	October 27, 2025	
<i>Certificate Expiry</i>	March 15, 2026	This is the final certificate
<i>Product Expiry</i>	March 15, 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.

October 20, 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 cereus Count (IFM0719.2)	8.7E+03	0.02	0.05	3.1E+04	2.0E+03
Coagulase +ve Staph spp. Count (IFM0716.1)	1.1E+03	0.02	0.04	2.5E+03	2.1E+02
Lactic Acid Bacteria Count (IFM0710.3)	3.7E+03	0.04	0.09	4.4E+04	1.9E+02
Standard Plate Count (IFM0701.3)	1.2E+04	0.03	0.08	2.8E+04	2.9E+03

Additional Test Comments/Information

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

Authorised By

Samuel Baillie, Production Technician

Control Chart for: Bacillus cereus Count (IFM0719.2)						2002	7717	13432	19147	24862	30576	FM0031 Gram +ve Daily Control RM5654	
Certification Date: 27/10/2025Expiry: 15/03/2026						less than	2003	7718	13433	19148	24863		more than 30576
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained								Date / Initials
Assessed and reviewed by:			Comments:										

Control Chart for: Coagulase +ve Staph spp. Count (IFM0716.1)						208		657		1105		1554		2003		2452		FM0031 Gram +ve Daily Control	
Certification Date: 27/10/2025						Expiry: 15/03/2026												RM5654	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	209	to	658	to	1106	to	1555	to	2004	to	2452	more than	2452
Assessed and reviewed by:			Comments:																

Control Chart for: Lactic Acid Bacteria Count (IFM0710.3)						191	8857	17523	26189	34855	43520	FM0031 Gram +ve Daily Control RM5654	
Certification Date: 27/10/2025						Expiry: 15/03/2026							
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	192	8858	17524	26190	34856		more than
Assessed and reviewed by:			Comments:										

Control Chart for: Standard Plate Count (IFM0701.3)						2896											FM0031 Gram +ve Daily Control	
Certification Date: 27/10/2025						Expiry: 15/03/2026												RM5654
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	2897	to	7927	to	12957	to	17986	to	23016	to	28044	Date / Initials
Assessed and reviewed by:			Comments:															