



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 RM6078

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 Powdered Food Material

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
	Heat-sealed packet/sachet

Target Organism Content

Organism Name (IFM Number)
<i>Bacillus cereus</i> (1600)
<i>Lactocaseibacillus rhamnosus</i> (1504)
<i>Staphylococcus aureus</i> (3004)

Intended Use	Microbiological Reference Material	
Instructions for Use	Store unopened material at 2°C - 6°C protected from light until used. Use aseptic technique at all times. 1. Accurately weigh a minimum of 10 g of powder. 2. Prepare a working solution using Peptone Water or Butterfields Solution. 3. While the most common dilution is 1:10, any ratio can be used to yield desired counts. 4. 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.	
Date of Certification	August 14, 2026	
Certificate Expiry	December 6, 2026	This is the final certificate
Product Expiry	December 6, 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 expanded uncertainty of the assigned value is based on the combined standard uncertainty in accordance with ISO 17034 (where k = 2 is the coverage factor for 95% confidence). 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.

August 10, 2026

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	Expanded Uncertainty (log ₁₀ value)	Standard Deviation (log ₁₀ value)	Calculated Limits for Daily Control Purposes	
				High limit	Low limit
Bacillus cereus Count (IFM0719.2)	1.9E+04	0.48	0.10	5.5E+04	4.8E+03
Coagulase +ve Staph spp. Count (IFM0716.2)	4.7E+03	0.27	0.14	8.2E+03	7.4E+02
Lactic Acid Bacteria Count (IFM0710.3)	2.3E+03	0.28	0.07	4.3E+03	2.9E+02
Standard Plate Count (IFM0701.3)	1.3E+04	0.21	0.05	2.0E+04	3.6E+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)						4832											FM0031 Gram +ve Daily Control						
Certification Date: 14/08/2026						Expiry: 6/12/2026												RM6078					
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	4833	to	14923	14924	to	25013	25014	to	35103	35104	to	45193	45194	to	55284	more than	Date / Initials
Assessed and reviewed by:			Comments:																				

Control Chart for: Coagulase +ve Staph spp. Count (IFM0716.2)						738											FM0031 Gram +ve Daily Control				
Certification Date: 14/08/2026						Expiry: 6/12/2026															
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	739	to	2227	to	3714	to	5202	to	6690	to	8176	more than	8176	RM6078	Date / Initials
Assessed and reviewed by:			Comments:																		

Control Chart for: Lactic Acid Bacteria Count (IFM0710.3)						295											FM0031 Gram +ve Daily Control							
Certification Date: 14/08/2026						Expiry: 6/12/2026						296	to	1094	to	1894	to	2693	to	3493	to	4293	more than 4293	RM6078
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	296	to	1094	to	1894	to	2693	to	3493	to	4293	more than	Date / Initials					
Assessed and reviewed by:			Comments:																					

Control Chart for: Standard Plate Count (IFM0701.3)						3561	6883	10205	13527	16848	20170	FM0031 Gram +ve Daily Control RM6078 Date / Initials						
Certification Date: 14/08/2026						Expiry: 6/12/2026												
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	3562	to	6884	to	10206		to	13528	to	16849	to	20170
Assessed and reviewed by:			Comments:															