



REFERENCE MATERIAL CERTIFICATE

This certificate supersedes all previous issues.



A2LA Accredited
Reference Material Producer
Certificate Number 3189.03

Product Name	FM0046 Listeria and Salmonella Daily Control
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Batch Number	RM6005
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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
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Description of the Material	Powdered Food Material
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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:	Heat-sealed packet/sachet

Target Organism Content	Organism Name (IFM Number) <i>Listeria monocytogenes (1011)</i> <i>Salmonella Hofit (2318)</i>
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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	July 15, 2026	
Certificate Expiry	October 16, 2026	This material will be recertified after this expiry date.
Product Expiry	March 5, 2027	

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.

July 8, 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
Listeria monocytogenes Count (IFM0713.1)	7.6E+03	0.31	0.11	1.5E+04	2.0E+03
Salmonella spp. Count (IFM0712.3)	4.5E+03	0.19	0.05	6.8E+03	1.6E+03
Standard Plate Count (IFM0701.3)	1.7E+04	0.22	0.07	2.7E+04	5.3E+03

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: Listeria monocytogenes Count (IFM0713.1)						1979											FM0046 Listeria and Salmonella Daily Control RM6005			
Certification Date: 15/07/2026						Expiry: 16/10/2026	less than	1980	to	4587	to	7193	to	9799	to	12406		to	15013	more than
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: Salmonella spp. Count (IFM0712.3)						1624											FM0046 Listeria and Salmonella Daily Control RM6005		
Certification Date: 15/07/2026						Expiry: 16/10/2026													
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	1625	to	2667	to	3710	to	4752	to	5794	to	6835	more than	Date / Initials
Assessed and reviewed by:			Comments:																

Control Chart for: Standard Plate Count (IFM0701.3)						5322											FM0046 Listeria and Salmonella Daily Control RM6005
Certification Date: 15/07/2026						Expiry: 16/10/2026											
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 5323	to 9607	to 13892	to 18177	to 22462	to 26747	more than 26747	Date / Initials				
Assessed and reviewed by:			Comments:														