



## REFERENCE MATERIAL CERTIFICATE

This certificate supersedes all previous issues.



A2LA Accredited  
Reference Material Producer  
Certificate Number 3189.03

<b>Product Name</b>	FM0046 Listeria and Salmonella Daily Control	
<b>Batch Number</b>	RM5384	
<b>Hazard Information</b>	<p>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:</p> <p><a href="#">SDS Microbiological Reference Material</a></p>	
<b>Description of the Material</b>	Generic powder	
<b>Presentation</b>	<p>Number of Units provided:</p> <p>Each unit consists of:</p> <p>Units are contained in:</p>	<p>Each set is heat sealed in a plastic bag</p> <p>Five (5)</p> <p>10-12 g</p> <p>Heat-sealed packet/sachet</p>
<b>Target Organism Content</b>	<p><b>Organism Name (IFM Number)</b></p> <p><i>Listeria monocytogenes</i> (1011)</p> <p><i>Salmonella</i> Hofit (2318)</p>	

<i>Intended Use</i>	Microbiological Reference Material	
<i>Instructions for Use</i>	Store unopened material at 3 °C - 5°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 between 3 °C - 5°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>	June 23, 2025	
<i>Certificate Expiry</i>	October 10, 2025	This material will be recertified after this expiry date.
<i>Product Expiry</i>	December 31, 2025	

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.

June 16, 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
Listeria monocytogenes Count (IFM0713.1)	4.8E+03	0.01	0.02	1.1E+04	1.6E+03
Salmonella spp. Count (IFM0712.3)	2.0E+03	0.08	0.18	3.7E+03	8.0E+02
Standard Plate Count (IFM0701.3)	5.8E+03	0.06	0.14	1.4E+04	1.6E+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)						1627											FM0046 Listeria and Salmonella Daily Control RM5384		
Certification Date: 23/06/2025						Expiry: 10/10/2025													
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	1628	to	3529	to	5430	to	7331	to	9232	to	11133	more than	Date / Initials
Assessed and reviewed by:			Comments:																

Control Chart for: Salmonella spp. Count (IFM0712.3)						797											FM0046 Listeria and Salmonella Daily Control RM5384	
Certification Date: 23/06/2025							less than	798	to	1380	to	1963	to	2545	to	3128		to
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: Standard Plate Count (IFM0701.3)						1589											FM0046 Listeria and Salmonella Daily Control RM5384							
Certification Date: 23/06/2025						Expiry: 10/10/2025																		
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	1590	to	4020	4021	to	6451	6452	to	8882	8883	to	11314	11315	to	13745	more than	13745	Date / Initials
Assessed and reviewed by:			Comments:																					