

Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

Specifications	Expiration Date: 2024/5/31
Microorganism Name: Bacillus spizizenii	Release Information:
Catalog Number: 0486	Quality Control Technologist: Jacob A Lohman
Lot Number: 486-1358**	Release Date: 2022/7/5
Reference Number: ATCC® 6633™*	
Passage from Reference: 3	
(7) Mean Assay Value (MAV): 4.1E+02 CFU per pellet	

Performance

Macroscopic Features: Medium: Large, irregular, flat, undulate edge, gray and wrinkled with ground glass SBAP appearance; beta hemolysis and slight yellow coloring may appear in wrinkles by 48 hours.

Microscopic Features:

Straight, gram positive rod, with an ellipsoidal, central or terminal endospore. Gram Stain (1)

ID System: MALDI-TOF (1)

See attached ID System results document.

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**Disclaimer: The last digit(s) of the lot number appearing on the product label and packing slip are merely a packaging event number. The lot number displayed on this certificate is the actual base lot number.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.



Derivative

ESTING CERT #2655.01

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Method:

(1) These tests are accredited to ISO/IEC 17025.





Meaning of Score Values

Range	Interpretation	Symbols	Color
2.00 - 3.00	High-confidence identification	(+++)	green
1.70 – 1.99	Low-confidence identification	(+)	yellow
0.00 - 1.69	No Organism Identification Possible	(-)	red

Meaning of Consistency Categories (A - C)

Category	Interpretation		
(A)	High consistency: The best match is a high-confidence identification. The second-best match is (1) a high-confidence identification in which the species is identical to the best match, (2) a low-confidence identification in which the species or genus is identical to the best match, or (3) a non-identification.		
(B)	Low consistency: The requirements for high consistency are not met. The best match is a high- or low-confidence identification. The second-best match is (1) a high- or low-confidence identification in which genus is identical to the best match or (2) a non-identification.		
(C)	No consistency: The requirements for high or low consistency are not met.		

Run Creation Date/Time: Applied MSP Library(ies): 2022-06-28T10:50:19.078 JLM

BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library

Sample Name	Sample ID	Organism (best match)	Score Value
D6 (+++) (A)	486-1358	Bacillus subtilis	2.11

Comments:

is a member of Bacillus subtilis group. The quality of spectra (score) depends on the degree of sporulation: Use fresh material.



Statistical Analysis Certificate

Microorganism Name: Bacillus spizizenii Reference #: ATCC® 6633^{™*} Catalog #: 0486 Lot #: 486-1358^{**} Expiration Date: 2024/5/31 (7) Mean Assay Value (MAV): 4.1E+02 CFU per pellet Standard Deviation: 7.0E+01 Coefficient of Variation: 17% 99% Confidence Interval of 4.0E+02 to 4.3E+02 CFU 95% Confidence Interval of 4.0E+02 to 4.3E+02 CFU

Method used to determine Mean Assay Value: Spiral Plate Method Medium Employed: TSA Incubation Time and Temp: 24 hrs at 34-38 degrees C

and Supers

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(7) The Mean Assay Value (MAV) stated above may deviate from the end-user's MAV based on variables inherent to each laboratory environment, such as methods, media type, equipment, pipettes, and individual technician technique.

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