




Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

Specifications Microorganism Name: Bacillus subtilis subsp. spizizenii Catalog Number: 0486 Lot Number: 486-1312** Reference Number: ATCC® 6633™* Passage from Reference: 2	Expiration Date: 2024/2/29 Release Information: Quality Control Technologist: Kassandra L Hall Release Date: 2022/4/11
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Performance	
Macroscopic Features: Large, irregular, flat, undulate edge, gray and wrinkled with ground glass 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.	Medium: SBAP Method: Gram Stain (1)
ID System: MALDI-TOF (1) See attached ID System results document.	
 Amanda Kuperus Director of Quality Control AUTHORIZED SIGNATURE	

**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.

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

Individual products are traceable to a recognized culture collection.



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

