

Certificate of Analysis

This lot of product meets the accepted performance criteria recommended in the USP, ISO 11138-1, ISO 11138-2 and ISO 11138-4.

Product Name: Mini Spore Strips Organism: Bacillus atrophaeus

REF MA-06 2020-10-25 (YYYY-MM-DD)

2018-10-25 For use in Monitoring: Ethylene Oxide and Dry Heat

Derived from: ATCC® 9372 Quantity 100 strips Population: 2.0 x 10⁶ per 2 mm x 10 mm strip

Resistance Characteristics

Survival Kill

Ethylene Oxide D value (600 mg/L, 54°C, 60% RH): 2.0 minutes 8.6 minutes 20.7 minutes

Dry Heat D value (160°C): 2.0 minutes 8.6 minutes 20.7 minutes

z value

Based on determinations at 150°C, 160° and 180°C: 31.0 °C

The *D* value(s) were determined per the fraction negative method and are reproducible only when exposed and cultured under the exact conditions used to obtain results reported above. The user would not necessarily obtain the same results, therefore, should determine the suitability for their particular use.

Recovery

After exposure to the sterilization process, aseptically transfer each carrier to an individual tube containing 5-15 mL of Soybean Casein Digest Broth (SCDB). Incubate at 30° - 40°C for a minimum of 7 days or per validated reduced incubation time.

Examine tubes for growth, daily or as frequently as possible. Tubes showing typical growth of *Bacillus atrophaeus* will display a pellicle at the top of the media which is cream to orange in color.

Purity: Shall not contain any contamination that would adversely affect the performance or the stability characteristics of the biological indicator.

Storage and Shelf Life

+15°C	Room Temperature (15°- 30°C)	类	Keep away from sunlight.
80%	20% to 80% Relative Humidity	**	Protect from heat, radioactive sources, and sterilizing agents.
Shelf Life	24 Months from the date of manufacture		

Disposal: Autoclave, steam at 121°C for not less than 30 minutes, or incinerate (standard microbial waste; non-pathogenic species).

FOR LAB/INDUSTRIAL USE ONLY.

Quality Approval

MA-06 Bacillus atrophaeus Spore Discs 1-6-2-COA26 Rev. 0

Manufactured by: True Indicating LLC
T: 419-476-7119 E: info@trueindicating.com

Date