

# Biological Indicators

## Technical Data Sheet

### Mini Spore Strips: *Bacillus atrophaeus*

NAMSA Order Code:  
STN-062, STN-062B

#### Physical Properties

Organism	<i>Bacillus atrophaeus</i>
Description	Sterilized filter paper inoculated with <i>Bacillus atrophaeus</i> spores.
Strip Dimensions (approximate size)	2 mm x 10 mm

#### Guidelines for Use

Application	Ethylene Oxide and Dry Heat Sterilization Processes
Shelf Life	24 months from date of manufacture
Incubation	Aseptically transfer BIs from glassine envelopes or packaging material to individual tubes of growth medium such as Soybean Casein Digest Broth (SCDB). Incubate cultured BIs at 30-35°C for a minimum of 7 days or validated incubation period.
Storage Conditions	At or below room temperature 15-30°C. Protect from sterilizing agents, direct sunlight and high temperatures.
Clean Up/Disposal	Autoclave for not less than 30 minutes at 121°C or per validated disposal cycle prior to discard.

#### Performance Characteristics

Population	1.0 to 3.0 x 10 <sup>6</sup> spores per inoculated carrier
EO D-value (600 mg/L EO, 54°C, 60% RH)	2.5 minutes to 5.8 minutes
Dry Heat D-value (160°C)	1.0 minutes to 3.0 minutes
Z-value	≥ 20°C based on d-value determinations at 150°C, 160°C, and 180°C
Compliance	ANSI/AAMI/ISO/EN 11138 and USP (where applicable)

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