

Spore suspension *Geobacillus stearothermophilus* in alcoholic solution

Product information

Field of application: The *Geobacillus stearothermophilus* spore suspension in alcoholic solution is suitable for the inoculation of products for the biological performance evaluation of sterilization processes.

Specifications: *Organism: Geobacillus stearothermophilus*
Mean population (cfu/ml): $\geq 10^6 / 10^7 / 10^8$
D_{121 °C}-value: > 1,5 min
z-value: > 6 °C
Suspension medium: alcoholic solution (food quality)
Shelf life: 1 year from the date of manufacturing

Conformity: All data are determined at time of manufacturing. Resistance data all determined according to ISO 11138 and are only reproducible when exposed and cultured under the exact conditions used to obtain results report here. Determined by using carrier material (filter paper) according to USP XXII and ISO 11138-3.

Storage: at + 4 °C to + 8 °C

Disposal: After sterilization

Packing unit: 5 ml, 10 ml

Order No: SPE8204-6-E, SPE8205-7-E, SPE8206-8-E

Example of use:

1. Mix suspension well before use (minimum 2 min Vortex or ultrasonic).
2. Inoculate the test objects with the suspension in the desired concentration, dry and if necessary pack them afterwards .
3. Place the inoculated test objects in the sterilizer and start the selected program.
4. When the program is finished, take out the test objects and analyse them according to ISO 11737.
5. Incubation: 2 - 7 days at 56 °C ± 2 K
6. Examine and check all test objects for growth of the test organism daily.
7. Note down the results. The results are only valid, if the growth control shows typical growth.