

**Quality certificate**

**Biological indicators ST/DA-V6**

Biological indicators in compliance with ISO 11138-3 for steam sterilization at 121 °C/134 °C.

Organism: Geobacillus stearothermophilus spores ATCC 7953  
Mean population (cfu):  $2,1 \times 10^6$   
determined by using agar surface method (TSA-Oxoid)  
Carrier: filter paper  
Packaging: paper / foil  
Lot: V210525  
Expiration date: 06. 2027  
 $D_{121^{\circ}\text{C}}$ -Value: 2,1 min  
z-value: 7,4 °C  
Survival time: D-value x (log cfu - 2)  
Kill time: D-value x (log cfu + 4)

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. Results may vary under different test conditions.

Incubation: 7 days at 56 °C ± 2 °C in CSB

Storage:  
at + 18 °C to + 25 °C and rel. humidity from 35 % to 70 %  
Protect from light and sterilants.

Do not use after expiration date. Sterilize all cultures before disposal.

Date: 16.07.2025

Release: P. Barone

Mesa Germany GmbH • Sigmund-Riefler-Bogen 19  
81829 München • Germany • Tel.: +49 / (0)89 / 67 33 66 0

OK  
20260205  
AFA

 **MesaGermany**

Mesa Germany GmbH  
Sigmund-Riefler-Bogen 19  
81829 München | Germany  
Tel.: 089 / 6733660



16.07.2025

Date

Stamp / Signature