

**CERTIFICATE OF ANALYSIS**

THIS LOT OF 3M™ ATTEST™ 1262 BIOLOGICAL INDICATORS MET ALL 3M QUALITY CONTROL AND PRODUCT RELEASE SPECIFICATIONS WHEN TESTED BY 3M QUALITY CONTROL. 3M™ ATTEST™ 1262 BIOLOGICAL INDICATORS COMPLY WITH ISO 11138-1:2017 AND ISO 11138-3:2017.

**Product Identification:**

<b>Product Description</b>	3M™ Attest™ Biological Indicators 1262
<b>3M Catalog Number</b>	1262
<b>Product Identification Number</b>	70-2005-0348-3
<b>SAP Identification Number</b>	7000002535
<b>3M Lot Number</b>	33CYA6
<b>Expiration Date</b>	2023-01-27
<b>Country of Manufacture</b>	U.S.A.

**Test Results:**

MEAN POPULATION PER STRIP*	2.4E+5 C.F.U.
D-VALUE**	2.1 MINUTES
SURVIVAL TIME**	7.10 MINUTES
KILL TIME**	19.70 MINUTES
Z-VALUE**	23 DEGREES C

\*DETERMINED AT THE TIME OF MANUFACTURE. POPULATION IS REPRODUCIBLE ONLY UNDER THE EXACT CONDITIONS UNDER WHICH IT WAS DETERMINED.

\*\*SURVIVAL/KILL IS VERIFIED AND D-VALUE IS DETERMINED IN A RESISTOMETER WITH A GRAVITY DISPLACEMENT CYCLE. D-VALUES ARE DETERMINED BY A FRACTION NEGATIVE PROCEDURE AFTER GRADED EXPOSURES TO STERILIZATION CONDITIONS. D-VALUE IS REPRODUCIBLE ONLY UNDER THE EXACT CONDITIONS UNDER WHICH IT WAS DETERMINED. SURVIVAL AND KILL TIMES TESTED ACCORDING TO ISO 11138 EQUATIONS: SURVIVAL TIME (IN MINUTES) = NOT LESS THAN (LOG<sub>10</sub> LABELED POPULATION -2) X LABELED D-VALUE; KILL TIME (IN MINUTES) = NOT MORE THAN (LOG<sub>10</sub> LABELED POPULATION +4) X LABELED D-VALUE.

**Prepared by:**

Quality Personnel: Lola Johnson

Date: 01/30/21