Certificate of Analysis

Part Number:	**SF-AS-400**
Description:	**Aluminum Sealing film, for PCR and Long-term Storage**
Lot Number:	**WO-11197**
Manufacture Date:	**2021-07**

This certifies that the products listed above have been manufactured in accordance with established manufacturing guidelines and product specifications. The products conform to all Quality requirements and have undergone all standard quality requirement tests.

Component Materials:

Layer	Description
Top coat	n/a
Film	Aluminum foil tape
Adhesive	Acrylic
Release liner	Kraft paper

This product does not contain the following materials as an intentionally added component.

- Natural Rubber Latex
- Dry Natural Rubber
- Animal Derivatives

Dimensional Information and Tolerances:

Criteria	Dimensional information / specification
L x W	5.500" +/- 0.0150 X 3 .0833" +/- 0.0313
End tabs	0.375" +/- 0.0313
Perforations	0.4625" +/- 0.0313 from edge of film
Corner radius	n/a

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Expiration Statement: For the attributes contained within this certificate,

- It is best to use these products within three (3) years from the date of manufacture and maintain products at 70°F +/-10°; 50% RH+/- 10%.

Endotoxin (Pyrogen)Testing:

The Product has been tested for endotoxins. No Pyrogens were detected.

- Testing has been conducted based on the gel clot test method
- FDA license limit test using USP Reference Standard Endotoxin (RSE)
- Test Sensitivity: 0.25 EU/mL

RNase/DNase Testing: This product has been tested and is free of any detectable RNase/DNase contamination.

- Product extractions and control standards were evaluated for DNase activity by exposure with digested DNA substrate.
- Product extractions and control standards were evaluated for RNase activity by exposure with bacterial RNA substrate.
- Electrophoretic results show that no RNase or DNase activity was detected.

Bovine Spongiform Encephalopathy and Transmissible Spongiform Encephalopathy (BSE/TSE): None of these products or raw materials are manufactured from or come into contact with animal material.

This manufacturing lot has been sampled and tested in accordance with Standard Operating Procedures and has been released by Quality Assurance for the following characteristics:

Test/Procedure	Results
Visual attributes	Pass
Packaging	Pass
Dimensional	Pass

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