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				Approval Date: 01/04/2025
Quality External Compliance	Anti-Microbial Finishing Test			Effective Date: 01/04/2025
				Effective Until Further Notice

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Departments Affected: Suppliers, 3 rd party labs, Development and Sourcing Teams			
Version	Date	Modifications	Page
1.0	01/04/2025	Complete New Method but content from previous compliance test method CEP-UN1317 Anti-microbial Finishing	All
Remarks:			

1 Purpose

Ensuring product performance for consumer satisfaction, and compliance with specific market/country/global or regional mandated standards.

This test method is used to confirm that all required testing is completed and compliance to adidas **A0422 Antimicrobial Policy**. The policy is adhered to for each material and product.

2 Scope

This test method is applicable for all adidas material/product developed/sold anywhere worldwide which contains anti-microbial chemical finishes.

The defined age group for anti-microbial finishings are all except baby/infant/crip size products and maternity size products.

3 Roles & responsibilities

User Group	Responsibilities	Section	Detail	Link
Suppliers/ 3 rd party labs	Test Execution and Evaluation	Entire file	Required Equipment; Sample Preparation	

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Quality Teams; Material Teams; Operation Teams	Ensure Standard is executed		and Conditioning; Test Execution; Data Collection, Evaluation and Reporting.	5 ff.

4 Reference Documents/Terminology

- A0244 Anti-Microbial Policy
- AATCC100:2019 Test Method for Antibacterial Finishes on Textile Materials
- ISO 22196:2011 Measurement of antibacterial activity on plastics and other non-porous surfaces
- ASTM E2149:2020 Standard Test Method for Determining the Antimicrobial Activity of Antimicrobial Agents Under Dynamic Contact Conditions
- ASTM E3162:2018 Standard Practice Measuring the Durability of Antibacterial Agents Applied to Textiles under Simulated Home Laundering Conditions
- FZ/T 73023 AAA:2006 Antibacterial Knitwear
- GB/T 20944.3:2008 Textiles – Evaluation for antibacterial activity
- GB/T 44939 AAAAA:2024 Guidelines for quality grading of consumer products – Footwear
- QB/T 2881:2013 Footwear and footwear components - Antimicrobial performance specifications

Terminology

- BPR – Biocide Product Regulation
- EPA – U.S. Environmental Protection Agency

5 Specific Procedure

5.1 Sample Testing Quantity and Frequency

5.1.1 Number of samples which need to be tested

- Per material and model #, according to A0244 policy testing on T2 bulk and T1 dev/bulk production

5.1.2 Testing report frequency

- Development (before BR) - Per material and model #
- Bulk production - Random Testing

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5.2 Procedure

To be done by T2:

Follow the test procedure as outlined in section 6.1.3 of Anti-microbial policy (A0244). The test methods are outlined in section 8.1 of the policy. Ensure that the tests are aligned with the respective market.

To be done by T1:

- a. Check with development if nominated Anti-Microbial Finishing is used (according to A0244 policy latest Version because only registered antimicrobial finishing according to EPA and BPR are allowed to use).
- b. Check if the correct anti-microbial product hangtag/insert (according to BPR regulation) is in the BOM.
- c. Check if material in T2 bulk production is tested with tests outlined in section 8.1 of Anti-microbial policy (A0244) and passed.
- d. Check if product is tested with tests outlined on paragraph 7.4 of Anti-microbial policy A0244 and passed.

Washing Process:

The test must be done before and after washing to determine the durability of Anti-Microbial Finishing. The Wash process should be done in accordance with:

- a. Global:
ASTM E3162:2018 (4 wash cycles)
- b. China:
Knitwear - FZ/T 73023:2006, AAA, Annex D (50 wash cycles)
Wovens - GB/T 20944.3:2008 (20 wash cycles)

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Footwear (washable):
QB/T2881 Annex E (10 wash cycles)

5.3 Data Collection, Evaluation and Reporting

5.3.1 Material testing

Data collection according to reference standard. Refer to the latest version of A0244 Anti-Microbial Policy for requirements.

Record the test results as required in the Creation Portal Material Testing System.

5.3.2 Product Testing

Test report from paragraph 5.2.c and 5.2.d in aTP as pdf attachment to PHX-UN0463-AMF test method.

aTP Data Coding:

Test Method Code	UOM	description
PHX-UN0463-AMF	Pass/Fail	Anti-Microbial finishing

Requirements:

By clicking on “pass” status for this test method in aTP, following is confirmed by T1:

- a. Nominated Anti-Microbial Finishing is used
- b. Correct product hangtag to specific anti-microbial finishing is used (BOM and T1 bulk production)
- c. Bulk production at T2 material testing is passed and uploaded as PDF attachment

By clicking on “fail” status for this test method in aTP, following is confirmed by T1:

- d. Article is either dropped or BR for this article is signed with the following conditions:
 - T1 communicated to development that anti-microbial tech function need to be removed from this article in M3 system
 - T1 communicated to development that anti-microbial features/benefits

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- need to be removed from to-be-used benefits wording on e-com (PIM)
- Article is produced and shipped without anti-microbial hangtag/insert

6 Further Information



In all cases, the instruction manual according to the manufacturer including calibration and maintenance must be followed to ensure safety and quality.

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