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	<b>Apparel Quality</b>	<b>Test Method</b>	<b>02</b>	Approval Date:
		<b>6.07</b>		August, 2007
	<b>Drying Time</b>			<b>Effective date:</b>
				<b>Sept. 1<sup>st</sup> 2007</b>
				Effective Until
				Further Notice

### Purpose

To determine the time taken for a measured quantity of water to be absorbed into the fabric until fully evaporated

### Principle

A sample of the fabric is weighed and a measured amount of distilled/de ionised water introduced onto the balance. The fabric is placed centrally and carefully on the balance with the face of the fabric over the water and then re-weighed after 30 minutes.

### Equipment

Small aperture dropper or pipette  
Balance accurate to 0.001g  
Digital timer

### Re-agents

Distilled/de ionised water

### Specimen Preparation

Mark the face of the fabric.

Using the weight per sq metre sample cutter (as test method 4.19) cut one circular specimen 100cm<sup>2</sup>. This is to be used for testing before washing.

Take a further sample from the main fabric approx. 50 x 50 cm

i) Conduct 5 Wash / Tumble Dries. Using the weight per sq metre sample cutter (as test method 4.19) cut one circular specimen 100cm<sup>2</sup>.

Then:

ii) Wash and tumble dry the remaining fabric a further 5 times, making a total of 10 Wash / Tumble Dries. Take a further sample using the sample weight cutter as above.

All samples as prepared above are to follow the same test procedure


### Conditioning

Condition all samples for a minimum of 4 hours in a conditioned atmosphere of 20 ±2°C and 65 ± 2% RH before testing. This includes the wash/tumble dried samples

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Carry out the test in the conditioned atmosphere.

### Test Procedure

1. Place the fabric sample on the balance, weigh and record the weight
2. Remove the fabric from the balance
3. Using a dropper or pipette place a drop of distilled/de ionised water weighing as near as possible to **0.04 ±0.005g** centrally on the balance. Record the weight
4. Immediately place the fabric, (back side down next to the water), gently and centrally onto the balance containing the water  
Record the total weight of the combined weight of the fabric and water
5. Immediately start the timer.
6. The test is terminated after 30 minutes. (or 40 minutes for Seamless)
7. Record the weight.

For durability of the moisture transport properties the test should be carried out after 5 and 10 times wash/ tumble dries.

Repeat steps 1-7 for the washed specimens.

### Assessment of result

**If after 30 minutes (or 40 mins for Seamless) the fabric has not returned to the original weight before the addition of the water droplet the amount of water still remaining (retained) must be calculated as a percentage of the original.**

### Test Report


Using the adidas Group standard report format:

Report the time to dry for original, after 5x wash/dries and 10 x wash/dries

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## Test Standards Minimum Requirements

**Before and after 5x and 10x Wash and Dry:**

**After 30 minutes reaching a weight of 0.0 gm**  
**or**  
**the amount water retained ( moisture retention) is calculated as being equal to**  
**or less than 20% of the original weight**

**Note: For Seamless**  
**After 40 minutes reaching a weight of 0.0 gm**  
**or**  
**the amount water retained (moisture retention) is calculated as being equal to or**  
**less than 20% of the original weight**

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