

Laboratory Test Report

For the attention of: *Gary Lane*
AEROLATTE LTD
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WD78JY

Report Number: 04 -S-158926-1

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Laboratory Report prepared by
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SAMPLE IDENTIFICATION

Retailer	Own Brand	Supplier	Not Given
Buyer	Gary Lane	Quality	N/A
Description of article	Tumble dryer Balls	Customer Reference	Tumble Dry Balls
Retailer style number	N/A	Colour's	Orange
Retailer Standard Number	N/A		
Order No.	Not Given		

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Test Request

The samples supplied for testing are tumble dry balls which have been assessed to determine if a claim that when used, as recommended the balls, soften the fabric, reduced drying time, reduce creasing 'wrinkles', reduce ironing and static.

Comment on Test Results

A standard wash load of 4 single sheets, 3 pillowcases and 2 shirts were used for the trial the total mass of the load was 2040g

Bed Sheets x 4, 50% cotton 50% polyester
 Pillowcases x 2, 50% cotton 50% polyester
 Pillowcase x 1, 100% Cotton (easy care)
 Shirt x 1 100% Cotton
 Shirt x 1 50% cotton 50% polyester

Two identical loads were washed at 50°C according to BSEN 26330:1994 4A 50°C. One was then tumble dried in a moisture detecting tumble dryer set to Cupboard Dry, with two tumble dry balls and the other load without balls. The degree of creasing was assessed using method Appearance of Apparel after Domestic Laundering AATCC 143:1996(2001) Only the base fabric was assessed.

The softness was assessed subjectively by hand

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Conclusion

The tests indicate the balls slightly reduce creasing during tumbled drying. On the itemst estedit is unlikely the consumer would notice the difference unless they have one item dried with balls and one without to compare.

The softness was assessed by hand, the individuals carrying out the assessment have worked in dyeing and finishing and are used to assessing softness, it is our opinion the itemstumbled dried with the balls are softer.

The test carried out show that the drying rate with the balls is 15 to 25% faster if the load is taken to an even dryness.

Linting the garments used in the test had been previously washed to remove loose fibres however no lint was retained in the tumbled dryer lint trap on the wash loads with balls and 0.2 and 0.1 g of lint was retained in the tumbled dryer lint trap on the wash loads without balls.

The test results do substantiate the claims made on the packaging that the use of the balls in tumbled drying; softens the fabric, reduced drying time, reduce creasing and 'wrinkles'. The improvements are not significant but are real. It was not possible to assess the effect on static.

TestResults

*AppearanceofApparelafterDomesticLaunderingAATCC143:1996(2001)

	Wash1		Wash2		Wash3		Average	
	2 Balls	No Balls	2 Balls	No Balls	2 Balls	No Balls	2 Balls	No Balls
EasyCare CottonPillow case(Beige)	2.5	2.5	2	2	2.5	3	2.3	2.5
Cotton/ PolyesterPillow case(Lilac)1	2.5	1.5	2.5	1.5	2.5	2	2.5	1.7
Cotton/ PolyesterPillow case(Lilac)2	2.5	1.5	2.5	1.5	2.5	2	2.5	1.7
CottonShirt (Blue)	2 ^	1 \$	1.5 ^	1 \$	1 ^	1 \$	1.5	1
Cotton/ Polyester Shirt (Green/Beige)	3	2.5	3	2	2.5	2	2.8	2.2

^lesscreasesbutdeeper\$Manymorefineincreases

Assessmentofsoftness(subjectivehandassessment)

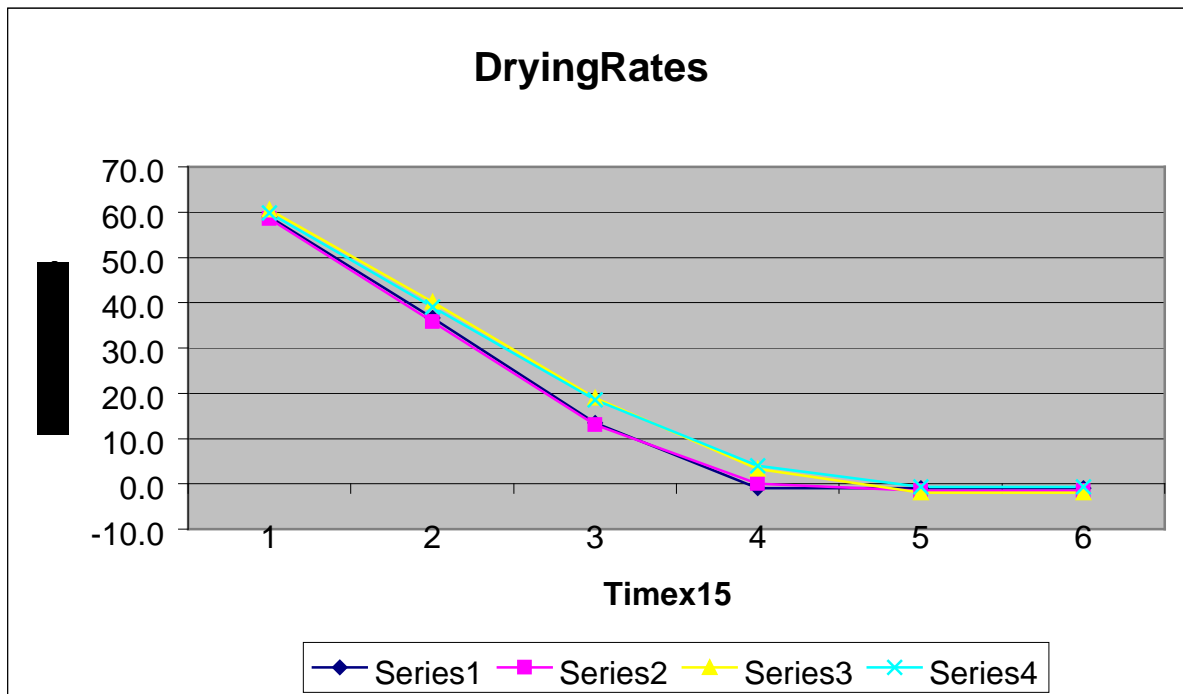
	Wash1		Wash2		Wash3		Average	
	2 Balls	No Balls	2 Balls	No Balls	2 Balls	No Balls	2 Balls	No Balls
EasyCare CottonPillow case(Beige)	#	...	#	...	#	...	#	...
Cotton/ PolyesterPillow case(Lilac)1	=	=	#	...	#	...	#	...
Cotton/ PolyesterPillow case(Lilac)2	=	=	#	...	#	...	#	...
CottonShirt (Blue)	#	...	#	...	#	...	#	...
Cotton/ PolyesterShirt (Green/Beige)	#	...	#	...	#	...	#	...

#indicatessofterhandle=no difference

Assessment of Drying Time and Linting

The loads were conditioned in a standard atmosphere of 20°C +/- 2°C and 65% r.h. +/- 2% for 24 hrs. and the load weighed. The loads were then wet out under standard conditions and reweighed. The loads were then dried in a standard tumble dryer and the % weight loss calculated every 15 min. Duplicate tests were carried out

	% increase over dry conditioned weight			
	WITH BALLS		NO BALLS	
	Dry1	Dry2	Dry1	Dry2
Conditioned load	0	0	0	0
After wet out	59.0	58.6	60.6	59.9
15min	36.6	35.7	40.2	39.1
30min	13.5	13.0	19.0	18.5
45min	-0.9	0.0	3.4	3.9
60min	-0.9	-1.5	-1.9	-0.7
Weight of Lint	Nil	Nil	0.2g	0.1g



Series 1 and 2 are with balls, series 3 and 4 is without balls

For Technicare Services Ltd.

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