

## TEST REPORT

**2023AN0649**

### DATE OF RECEPTION

Date Format: dd/MM/yyyy 22/03/2023

### DATE TESTS

Starting: 22/03/2023

Ending: 28/03/2023

### APPLICANT

GABRIEL A/S  
HJULMAGERVEJ, 55  
DK-9000 Ålborg  
Denmark

Att. BENTE ELLINGSOE

### IDENTIFICATION AND DESCRIPTION OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2023AN0649-S01	Beyond Loop col. 66086	Fabric

### TESTS CARRIED OUT

- PRE-TREATMENT.
- DETERMINATION OF DIMENSIONAL CHANGE IN DOMESTIC WASHING AND DRYING.
- DETERMINATION OF DIMENSIONAL CHANGE IN DRY CLEANING.
- PRE-TREATMENT OF DRY CLEANING.

Tests marked with \* are not included within the scope of the ENAC accreditation.





## RESULTS

### PRE-TREATMENT

**Reference**

2023AN0649-S01

**Standard**

EN ISO 6330:2021

**Starting test date**

22/03/2023

**Ending test date**

27/03/2023

**Standard deviation**

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**Washing procedure**

6M ( $T^a = 60 \pm 3^\circ\text{C}$ ); Total dry load test samples and the counterweight  $2 \pm 0.1$  Kg) according to EN ISO 6330:2021

**Used apparatus**

Wascator type A - Horizontal drum, front loading (02172E12)

**Detergent**

98 ECE reference detergent without optical brightener.

**Counterweight**

Type III - 100% polyester

**Number of washing cycles**

1

**Type drying**

Procedure C - Flat dry

**Dryer**

02426N12

**Notes**



## RESULTS

### DETERMINATION OF DIMENSIONAL CHANGE IN DOMESTIC WASHING AND DRYING

**Standard**

EN ISO 5077:2008

**Standard deviation**

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**Preparation, marking and measuring of fabric specimens according to EN ISO 3759:2011****Starting test date** 22/03/2023 **Ending test date** 27/03/2023**Number of washing cycles**

1

**Uncertainty of test (% of the measured value)**

± 0,4 %

**Tested material**

Black knitted fabric

Reference	Specimen	Direction	Dimensional change (%)
2023AN0649-S01	1	Lengthwise	-3,0
		Crosswise	-1,0

**Remark**

Negative dimensional change indicates shrinkage

Positive dimensional change indicates lengthening



## RESULTS

### PRE-TREATMENT

**Reference**

2023AN0649-S01

**Standard**

EN ISO 6330:2021

**Starting test date**

23/03/2023

**Ending test date**

23/03/2023

**Standard deviation**

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**Washing procedure**

7N ( $T^a = 70 \pm 3^\circ\text{C}$ ; Total dry load test samples and the counterweight  $2 \pm 0.1$  Kg) according to EN ISO 6330:2021

**Used apparatus**

Wascator type A - Horizontal drum, front loading (02172E12)

**Detergent**

98 ECE reference detergent without optical brightener.

**Counterweight**

Type III - 100% polyester

**Number of washing cycles**

1

**Type drying**



## RESULTS

### DETERMINATION OF DIMENSIONAL CHANGE IN DOMESTIC WASHING AND DRYING

**Standard**

EN ISO 5077:2008

**Standard deviation**

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**Preparation, marking and measuring of fabric specimens according to EN ISO 3759:2011****Starting test date** 22/03/2023 **Ending test date** 24/03/2023**Number of washing cycles**

1

**Uncertainty of test (% of the measured value)**

± 0,4 %

**Tested material**

Black knitted fabric

Reference	Specimen	Direction	Dimensional change (%)
2023AN0649-S01	1	Lengthwise	-3,0
		Crosswise	-1,0

**Remark**

Negative dimensional change indicates shrinkage

Positive dimensional change indicates lengthening



## RESULTS

### DETERMINATION OF DIMENSIONAL CHANGE IN DRY CLEANING

**Standard**

EN ISO 3175-2:2017

**Standard deviation**

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**Temperature**

25-30 °C

**Drying temperature**

60-65 °C

**Solvent**

Perchloroethylene

**Washing procedure**

Normal

**Uncertainty of test (% of the measured value)**

± 0.4 %

Reference	Specimen	Direction	Dimensional change (%)
2023AN0649-S01	1	Lengthwise	-1,0
		Crosswise	0,0

**Remark**

Negative dimensional change indicates shrinkage

Positive dimensional change indicates lengthening



## RESULTS

### PRE-TREATMENT OF DRY CLEANING

**Standard**

EN ISO 3175-2:2018

**Equipment**

Drying machine 13104N12

Scale 13003E03

Scale sartorius 04075IE03

**Washing procedure**

Normal

**Reference**

2023AN0649-S01

**Test date****Start date**

24/03/2023

**End date**

27/03/2023

**Washing cycles**

1



**Isabel Soriano**  
Chief of Innovation Area



Date: 28/03/2023 11:35:59

Digitally Signed by: MARIA ISABEL SORIANO SARRIO -

NIF:52716426N

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