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Client <b>Abstracta AB</b> <b>Box 75</b> <b>360 30 Lamhult</b>	Client's ref. no.		
	Contact person <b>Erik Graesén</b>	Our ref. no. <b>5200343 rev 1</b>	

## Object

Assessment of impact of disinfectant on fabric intended for floor screens.  
Change in appearance was determined by assessment of colour change and loss in strength was determined by testing of bursting strength.

## Test Material

1	Dox Grey knitted fabric laminated with foam.
2	Disinfectant (Liv by Clemondo) DES 70 Ethanol

The test material was received from the client 2020-05-29

## Procedure and results

### Procedure and results

**Conditioning and testing climate** according to SS-EN ISO 139:2005,  $(20 \pm 2) ^\circ\text{C}$  and  $(65 \pm 4) \% \text{RH}$ , where nothing else is stated.

#### **Treatment of fabric** (not an accredited method)

The fabric was evenly sprayed with disinfectant and dried for 30-60 min in room temperature and thereafter for 20-24 h in  $70 ^\circ\text{C}$ .

The amount of disinfectant was approximately (40-50) ml on a surface of (60x70) cm.

Date of treatment: 2020-06-04 – 22

**Change in colour** after treatment was determined visually according to ISO 105-A02:1993/Cor 2:2005 / SS-EN 20105-A02:1994.

Number of assessors: 1

Viewing conditions: Light Cabinet Ortospectra 120, D65

Tested side of material: Fabric side

Date of test: 2020-06-29

**Table 1.** Change in colour, visually determination.

Test Material	Grey scale grade	Comment
1	5	-

Scale 1-5, where 5 is best.

Uncertainty of measurement:  $\pm \frac{1}{2}$  grade

The uncertainty of measurement corresponds to a coverage probability of approx. 95 % for normal distribution of homogenous materials. Standard uncertainty of measurement is determined according to GUM and EAL-R2.

**Bursting strength and bursting distension** was determined according to EN ISO 13938-2:1999.

Apparatus: Atlas PnuBurst M229P.

Time to burst: (20±5) s

Test area: 50 cm<sup>2</sup>

Number of test pieces: 5 dry

Number of specimens rejected and reasons for this: None

Date of test: 2020-06-29

**Table 2.** Arithmetic mean of bursting strength and bursting distension

Test Material	Bursting strength [kPa]	Bursting distention [mm]	Bursting direction
Untreated fabric	513	34	Both length- and width direction
Treated fabric	511	35	Both length- and width direction

The results are the arithmetic mean of 5 determinations.

The uncertainty of measurement for bursting strength: ± 6 %

The uncertainty of measurement for bursting distension: ± 10 %

Uncertainty of measurement is based on the method of dissemination of interlaboratory trials and is stated as standard deviation.

All results relate only to the material tested.

### Comment

The tested material shows no change in colour or loss in strength after treatment with disinfectant (ethanol).

### Revision summary

Report 520343 dated 2020-06-29 is hereby withdrawn and replaced by 5200343 rev 1 dated 2020-07-02

Changes in the report: The material name “Dox” was added

Reason for changes: request from the client

Mölndal, 2020-07-02

RISE IVF AB

Material and Product Safety



Helena Hjärtnäs  
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