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Test Report ZH350 177625.1

Application

Masken Test

Test Material

HeiQ Viroblock + Multi Hi-Tech washable masks, Farbe: hellgrau

A detailed sample list is included in the document.

Issuing

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proven since 1846

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1 Summary

The tested masks reached the requirements for the 'TESTEX Community Mask Label' for Determination of Permeability, and Splash Resistance and Aerosol Filtration Efficiency after washing.

2 Application

Date of Order	Scope of Order
16/11/2020	Determination Of Permeability To Air - EN 14683, Annex C Washing Procedure For Textile Testing - EN ISO 6330 (OZW) Splash Resistance - Based on EN 14683 Aerosol Filtration Efficiency - in accordance EN 149

3 Samples

No.	Receipt	Sample Identification
1	25/11/2020	HeiQ Viroblock + Multi Hi-Tech washable masks, Farbe: hellgrau

(Unless otherwise stated samples are provided by the customer.)

4 Photo Overview

#1 Image 1



HeiQ Viroblock + Multi Hi-Tech washable masks, Farbe: hellgrau

5 Tests Performed / Results

Community Masks	#1 HeiQ Viroblock + Multi Hi-Tech washable masks, Farbe: hellgrau
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Determination Of Permeability To Air EN 14683, Annex C *		
Number of Tests		10
• Testing conditions °C	[°C]	20
• Testing conditions % humidity	[%]	85
• Test surface area	[cm ²]	20*
• Differential pressure	[Pa]	100
• Av. Air permeability (Pa/cm ²)	[Pa/cm ²]	22.80
• CV% air permeability		6.10

* The test area was converted to 4.9 cm² according to the requirements of the test device software.
Requirements for achieving the 'TESTEX Community Mask' label: ≤ 70±3 Pa/cm²



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Washing Procedure For Textile Testing EN ISO 6330 (OZW5) *		
Number of Tests		1
• Number of washing processes / cycles		5
• Washing procedure		6N
• Temperature [°C]		60
• Drying procedure		hang dry
• Intermediate drying [yes/no]		no

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Splash Resistance Based on EN 14683 *		
Number of Tests		1
• Testing climate		20°C / 65%
• Number of samples		10
• Type of sample		MNM multilayer
• Pretreatment		5x washing
• Type of test device		GT-RA01 Mask Synthetic Saliva Penetration Tester
• Spraying distance [mm]		300
• Nozzle diameter [mm]		0.84
• Spraying pressure [kPa]		16
• Observation time [s]		10
• Test results		
Sample 1-10		pass
• Swiss National COVID-19 Science Task Force requirements met?		met

Requirements for achieving the 'TESTEX Community Mask' label: no liquid penetration



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Aerosol Filtration Efficiency in accordance EN 149 * Number of Tests • Number of specimen • Number of washing cycles • Mask filtration efficiency • FE ≥ 70 % with particle size of 1 µm [yes/no]		1 5 5 81.58% yes
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Requirement for the 'TESTEX Community Mask' label: ≥ 70% at 1µm particle size



6 Remarks

Period of Validity

There are no regulations concerning duration of validity in the individual test standards. As the results of the examinations refer only to the submitted and examined samples, the report is valid for these for an unlimited period. A period of validity specified as part of an expert evaluation is in the discretion of the consultant or TESTEX. The applicability of results and expert evaluations for materials not tested is in the responsibility of the applicant. Whereby an apportionment of results as well as any specified period of validity can only be done for identically constructed products and only as long as the product is produced unchanged. Possible national or international restrictions concerning the terms of usability of test and classification reports have to be considered; this is not the responsibility of the test laboratory.

Sample Material

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Issuing

The valid first issue is done in paper and has single-handed signatures. Translations will be marked accordingly on the cover sheet.

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