



ProBa Spółka z ograniczoną odpowiedzialnością
Laboratorium Sprzętu Ochrony Układu Oddechowego
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AB 1764

TEST REPORT

Test order number: 70/2021

Scope of the order: Tests of filtering half masks

Test object^x: Filtering half-mask Kingyi OP01 FFP2 NR.

**Ordering Party
(name and
address)^x:** bagobag GmbH, Berliner Str. 69, 13189 Berlin, Germany.

**Date of compilation
of the test report:** 28.07.2021.

Copy No: 1

**Test report prepared
by:** M.Sc. Izabela Łysiak

Report authorized by: Ph.D. (Eng.) Piotr Pietrowski

(signature)

x- data according to the information delivered by the Ordering Party/Client

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Test order number 70/2021

Test object (name, model, typ, class)^x: Filtering half-mask Kingyi OP01 FFP2 NR.

Manufacturer (name, address)^x: WenZhou Opticar Lighting Co. Ltd., 18-6 Mingshan Road, Kunyang Town, Pingyang County, Wenzhou City, Zhenjiang Province, China.

Other arrangements:

Test report will contain a statement of the test object conformity with requirements of the PN-EN 149+A1:2010 together with the decision rule.

Samples delivery date: 22.07.2021.

Number of samples: 20

Samples registry number: 70/2021.

Start date of the tests: 26.07.2021.

End date of the tests: 28.07.2021.

Scope of tests:

- Total inward leakage (acc. to PN-EN 149+A1:2010 cl.8.5; PN-EN 13274-1:2004),

Place of performing tests: Laboratorium Sprzętu Ochrony Układu Oddechowego, ProBa Spółka z ograniczoną odpowiedzialnością, Al. 1 Maja 31/33, 90-739 Łódź, Poland.

In case of test with calculated uncertainty of measurement the statement of the object conformity with the specification or with requirements is undertaken taking into account the value of the uncertainty of measurement.

The statement of the object conformity/nonconformity of the test results with the requirements is not covered by the scope of the accreditation.

Prior to the total inward leakage test 5 samples of the test object were temperature conditioned (acc. to PN-EN 149+A1:2010 cl.8.3.2; PN-EN 13274-5:2904).

x- data according to the information delivered by the Ordering Party/Client

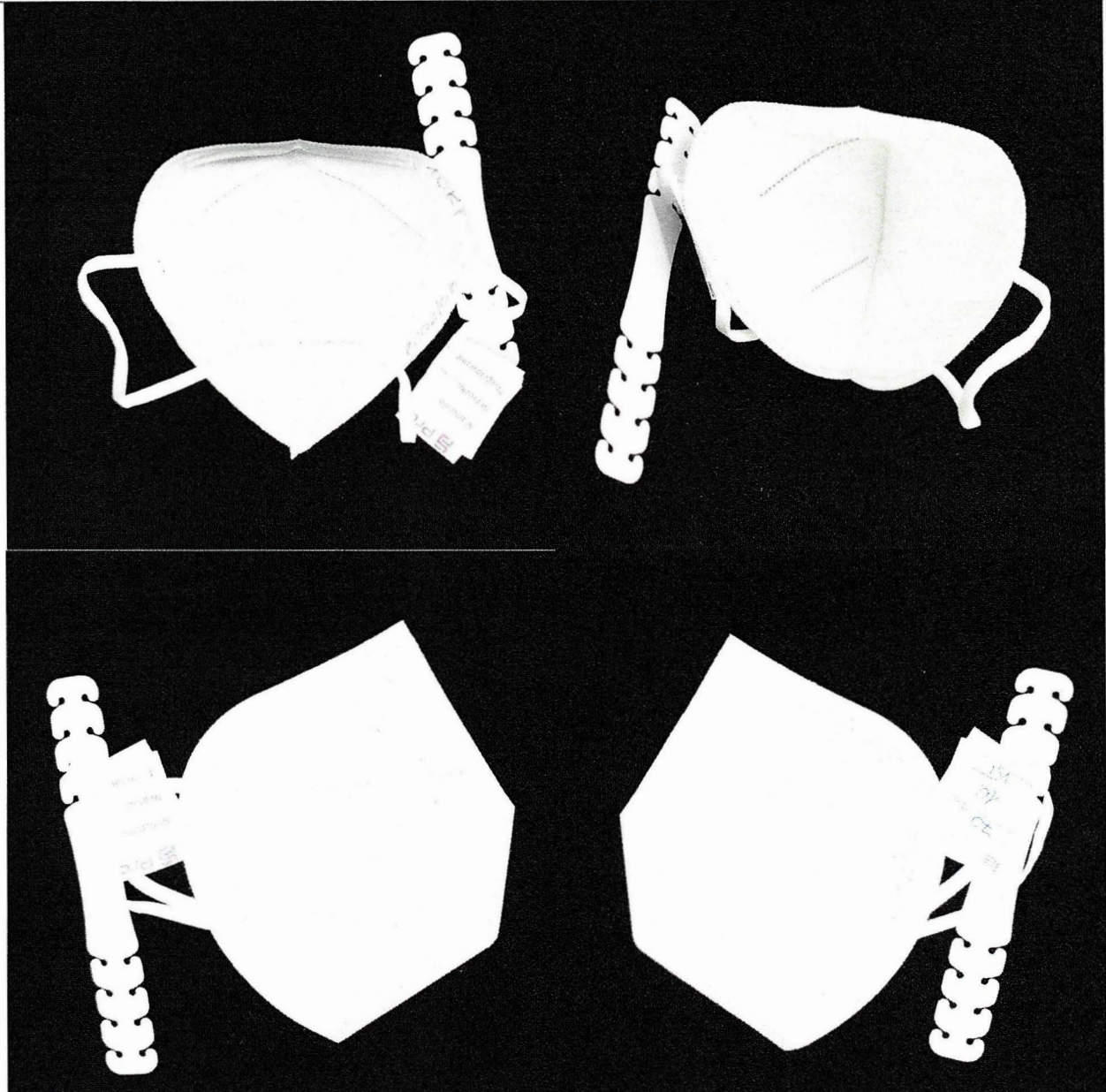
Number of pages: 4

Test order number 70/2021

Test object - Photo documentation

Test object: Filtering half-mask Kingyi OP01 FFP2 NR.

Test object photographs



The samples delivered and tested were marked with the following information: KINGYI OP01 FFP2 NR EN149:2001+A1:2009 *mark* CE 2163.

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Test order number 70/2021

Test results of total inward leakage

Test object: Filtering half-mask Kingyi OP01 FFP2 NR.

Test subject	Test sample number	Conditioning	Walk	Head Left/Right	Head Up/Down	Talk	Walk	Mean
1	1	-	0,10	0,23	0,50	0,28	0,32	0,29
2	2	-	1,26	1,76	6,53	6,27	0,64	3,29
3	3	-	10,40	22,00	20,60	6,34	11,90	14,25
4	4	-	2,37	3,72	5,84	4,11	3,43	3,89
5	5	-	1,83	3,06	4,74	2,16	1,50	2,66
6	6	+	4,16	2,93	3,49	2,54	4,26	3,48
7	7	+	0,18	0,27	0,42	2,68	0,13	0,74
8	8	+	0,88	0,55	2,74	0,64	3,69	1,70
9	9	+	2,16	3,74	3,92	2,01	1,33	2,63
10	10	+	0,56	0,77	0,93	0,60	1,08	0,79

Uncertainty of measurement: $\pm 10\%$ of the measured value

Given results relate to the delivered and tested samples only.

Requirements according to PN-EN 149+A1:2010 cl.7.9.1	Assessment of conformity/nonconformity with the requirements
<p>At least 46 out of the 50 individual exercise results shall be not greater than</p> <p>25% for FFP1 11% for FFP2 5 % for FFP3 and</p> <p>at least 8 out of the 10 individual wearer arithmetic means shall be not greater than</p> <p>22% for FFP1 8 % for FFP2 2 % for FFP3</p>	<p>Filtering half masks meet the requirements of the PN-EN 149+A1:2010 cl.7.9.1 for total inward leakage within the 1st (FFP1) and the 2nd (FFP2) class of protection.</p>

Test subjects facial dimension, mm

Test subject's number	Face length	Face width	Face depth	Mouth width
1	117	141	113	57
2	112	138	114	53
3	123	143	124	55
4	118	140	115	54
5	120	140	121	51
6	118	140	114	56
7	136	145	132	58
8	124	141	125	58
9	124	145	123	56
10	142	145	130	50

END OF THE TEST REPORT

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