



Tests Report no. CL/PCLB8/1/6/2021

Laboratorium Badawcze

Polski Rejestr Statków S.A.

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REPORT No CL/PCLB8/1/6/2021

Respiratory protective device – Filtering half
mask to protect against particles

model: Model: BR1MSK-001

Test of filtering half masks FFP2 NR

(Product / object of research)




Issue date: 2021-06-01

Copy no. : 1



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1. Name and address of the applicant:	PRODUCT AND PERSONS CERTIFICATION BUREAU (CW) PRS.S.A. al. Gen. Józefa Hallera 126, 80-416 Gdańsk.
2. Location of performed testing:	Testing Laboratory Polski Rejestr Statków S.A. al. Gen. Józefa Hallera 126, 80-416 Gdańsk, Poland
3. Object/product description and identification of testing:	CONTRACT NO. 378/2021
3.1 Name of objects/products:	Respiratory protective device – Filtering half mask to protect against particles model: Model: BR1MSK-001 
3.2 Manufacturer:	BRBEN TEKSTIL SAN VE TIC AS, 2.osB 83207 NotU CD No 2/10 SEHITKAMIL: GAZIANTEP / TURKEY

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3.3 Number of objects/products/samples:	PRS Laboratory numbers: 001/NACL/378/2021, 002/NACL/378/2021, 003/NACL/378/2021, 004/NACL/378/2021, 005/NACL/378/2021, 006/NACL/378/2021, 007/NACL/378/2021, 008/NACL/378/2021, 009/NACL/378/2021, 001/NACL/378/2021P, 004/NACL/378/2021P, 007/NACL/378/2021P, 001/NACL/378/2021G, 004/NACL/378/2021G, 007/NACL/378/2021G, 001/NACL/378/2021B, 004/NACL/378/2021B, 007/NACL/378/2021B, 001/NACL/378/2021Z, 004/NACL/378/2021Z, 007/NACL/378/2021Z, 001/NACL/378/2021R, 004/NACL/378/2021R, 007/NACL/378/2021R, 001/NACL/378/2021O, 004/NACL/378/2021O, 007/NACL/378/2021O, 001/NACL/378/2021Y, 004/NACL/378/2021Y, 007/NACL/378/2021Y, 001/NACL/378/2021GR, 004/NACL/378/2021GR, 007/NACL/378/2021GR, 001/NACL/378/2021BL, 004/NACL/378/2021BL, 007/NACL/378/2021BL,
4. Person / company ordering and financing the tests	PRODUCT AND PERSONS CERTIFICATION BUREAU (CW) PRS.S.A. al. Gen. Józefa Hallera 126, 80-416 Gdańsk.
5. Form and date of the order tests	Email: zbigniew.kazimierz.orkowski@prs.pl 2021-05-26
6. Objects/products/samples date of receipt and place for testing:	2021-05-26, Gdańsk Testing Laboratory
7. Date of performed testing:	2021-05-27
8. Laboratory equipment used for testing:	Particle filter efficiency tester BK-GLXL-A Face mask mechanical strength tester ZX 8030 Face mask simulated wearing treatment ZX 2003As Weather station MUTECH No H-288/20, Timer CG-501, Maraserw-5 S/N 01709 Weight Axis TYPE: BTA2100D
9. Testing instruction/procedure number/standard:	Test methodology in accordance with the PN-EN 149+A1:2010 standard and laboratory test procedure: PCLB-8 Test procedure EN 149 edition 1 from 2020-08-13
10. Scope of test:	<ul style="list-style-type: none">penetration of sodium chloride method of test in accordance with EN 13274-7:2008 requirements in accordance with EN 149:2001 + A1:2009 Before tests according to requirements of the standard, filtering half masks were submitted to: <ul style="list-style-type: none">mechanical strength test according to 8.3.3 of EN 149:2001 + A1:2009simulated wearing treatment according to 8.3.1 of EN 149:2001 + A1:2009internal requirement - mass measurement of filtering half masks

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11. Declaration	The test results concern only the behavior of the tested product samples under specific test conditions.
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13. Environmental factors for penetration test	Temperature: 23,3 °C
14. Name and surname of the Guide	Wojciech Pytlak

15. Test results:**15.1 Internal requirement - mass measurement of filtering half masks****Table 1– test results of Penetration of filter material for Model: BR1MSK-001**

No.	Sample No.	Mass [grams]
1	001/ NaCl /378/2021	5,43
2	004/ NaCl /378/2021	5,34
3	007/ NaCl /378/2021	5,35
4	001/ NaCl /378/2021P	5,54
5	004/ NaCl /378/2021P	5,58
6	007/ NaCl /378/2021P	5,53
7	001/ NaCl /378/2021G	5,34
8	004/ NaCl /378/2021G	5,35
9	007/ NaCl /378/2021G	5,34
10	001/ NaCl /378/2021B	5,82
11	004/ NaCl /378/2021B	5,76
12	007/ NaCl /378/2021B	5,71
13	001/ NaCl /378/2021Z	5,63
14	004/ NaCl /378/2021Z	5,56
15	007/ NaCl /378/2021Z	5,59
16	001/ NaCl /378/2021R	5,57
17	004/ NaCl /378/2021R	5,52
18	007/ NaCl /378/2021R	5,52
19	001/ NaCl /378/2021O	5,79
20	004/ NaCl /378/2021O	5,84
21	007/ NaCl /378/2021O	5,82
22	001/ NaCl /378/2021Y	5,65
23	004/ NaCl /378/2021Y	5,66
24	007/ NaCl /378/2021Y	5,57
25	001/ NaCl /378/2021GR	5,60
26	004/ NaCl /378/2021GR	5,64
27	007/ NaCl /378/2021GR	5,58
28	001/ NaCl /378/2021BL	5,98
29	004/ NaCl /378/2021BL	6,03
30	007/ NaCl /378/2021BL	5,98



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15.2 Penetration of filter material according to EN 149 point 8.11 (Penetration of NaCl in accordance with EN 13274-7 :2008 [%] Flow rate 95 l/min)

Table 2 – test results of Penetration of filter material for Model: BR1MSK-001

Requirements in accordance with EN 149:2001 + A1:2009				
Maximum penetration of test aerosol [%] Flow rate 95 l/min				
FFP1 max. 20 [%]				
FFP2 max. 6 [%]				
FFP3 max. 1 [%]				
No.	Sample No.	Condition	Penetration [%]	Test result Positive/Negative
1	001/ NaCl /378/2021	AR	0,450	Positive
2	002/ NaCl /378/2021	AR	0,316	Positive
3	003/ NaCl /378/2021	AR	0,474	Positive
4	004/ NaCl /378/2021	SW	0,306	Positive
5	005/ NaCl /378/2021	SW	0,318	Positive
6	006/ NaCl /378/2021	SW	0,293	Positive
7	007/ NaCl /378/2021	MS	0,352	Positive
8	008/ NaCl /378/2021	MS	0,211	Positive
9	009/ NaCl /378/2021	MS	0,162	Positive
10	001/ NaCl /378/2021P	AR	0,189	Positive
11	004/ NaCl /378/2021P	SW	0,196	Positive
12	007/ NaCl /378/2021P	MS	0,196	Positive
13	001/ NaCl /378/2021G	AR	0,355	Positive
14	004/ NaCl /378/2021G	SW	0,372	Positive
15	007/ NaCl /378/2021G	MS	0,350	Positive
15	001/ NaCl /378/2021B	AR	0,397	Positive
17	004/ NaCl /378/2021B	SW	1,616	Positive
18	007/ NaCl /378/2021B	MS	0,200	Positive
19	001/ NaCl /378/2021Z	AR	0,165	Positive
20	004/ NaCl /378/2021Z	SW	0,139	Positive
21	007/ NaCl /378/2021Z	MS	0,156	Positive
22	001/ NaCl /378/2021R	AR	0,163	Positive
23	004/ NaCl /378/2021R	SW	0,200	Positive
24	007/ NaCl /378/2021R	MS	0,190	Positive
25	001/ NaCl /378/2021O	AR	0,306	Positive
26	004/ NaCl /378/2021O	SW	1,984	Positive
27	007/ NaCl /378/2021O	MS	0,160	Positive
28	001/ NaCl /378/2021Y	AR	0,204	Positive
29	004/ NaCl /378/2021Y	SW	0,187	Positive
30	007/ NaCl /378/2021Y	MS	0,264	Positive
31	001/ NaCl /378/2021GR	AR	0,405	Positive
32	004/ NaCl /378/2021GR	SW	0,266	Positive
33	007/ NaCl /378/2021GR	MS	0,239	Positive
34	001/ NaCl /378/2021BL	AR	0,257	Positive
35	004/ NaCl /378/2021BL	SW	1,382	Positive
36	007/ NaCl /378/2021BL	MS	0,253	Positive

AR - As received, SW - Simulated wearing treatment, TC - Temperature conditioning, MS - Mechanical Strength, FC - Flow conditioning.



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16. The name of the representative of the Notified Body in whose presence the tests were carried out.
Zbigniew Orłowski - Products and Persons Certification Bureau Expert

17. Annexes:
No Annexes

18. Report written by: Wojciech Pytlak

(podpis)

19. Report authorized by: Władysław Bogdanowicz

POLSKI REJESTR STATKÓW S.A.
Manager
of Testing Laboratory

(podpis)

Władysław Bogdanowicz

END OF REPORT



C.C.:

1. Copy no 1 – Client,
2. Copy no 2 – ~~Testing Laboratory PRS,~~