



TEST REPORT

N. **4113122/E**

date: 08/09/2022

CLIENT: **BOARDS & MORE GmbH (Division ION)**
Rabach 1
4591 Molln
Austria

AC

FOR THE ATTENTION OF: Anna Thoma

DC 15608

SAMPLING: done by the Applicant

SAMPLES RECEIVED: 22/08/2022

TEST PERIOD: 01-08/09/2022

SAMPLES: Vest for bike/downhill use, article "**Protection Wear Tank Amp unisex**" (**47230-5917**), sizes XS, S, M, L, XL and XXL.

See the complete description on the next page.

REQUEST: Laboratory tests in accordance with EN 1621-2:2014 for the aim of the Certification (Regulation (EU) 2016/425).

NOTE:

The protector article "SC-1/B52" inserted in the pocket has already been certified with EU no. 289193001/OE.

OUTCOME: **PASS**

Notes:

All results refer exclusively to the tested materials.

Partial reproduction or publication not admitted without written authorization by RCT.

Positive results of a test report do not imply that the tested product is "certified" or "approved" by RCT.

Comments and interpretations are of subjective nature and not part of the Test Report.

Test carried out by qualified partner lab ISO 17025.

* Test not accredited by Accredia

Conformity assessment criterion: the result is considered compliant until the value falls within or coincides with the specification limit.

Unless otherwise indicated, the test conditions correspond to the reference standard.

M22 rev06 del 01/01/2022



TEST REPORT

N. **4113122/E**

date: 08/09/2022

DESCRIPTION:

article: "Protection Wear Tank Amp unisex" (47230-5917);

design: vest;

external coating:

- black stretch knitting (REVOLUTIONAL MILD) **(1)**;
- black stretch mesh (GREEN ISLAND) **(2)**;
- black stretch fabric with or without silicon (PN21 with or without silicon) **(3)**;

protector inserted: article "SC-1/B52" by SAS-TEC;

internal coating (in contact with the body):

- black stretch knitting (REVOLUTIONAL MILD) **(1)**;
- black stretch mesh (GREEN ISLAND) **(2)**;
- black stretch fabric with or without silicon (PN21 with or without silicon) **(3)**;
- black three-dimensional (SOFT 350 TINTO BLACK) **(4)**;
- black stretch binding (TBD) **(5)**;
- black webbing **(6)**;

fastening system: absent.

Groups of materials tested for Azo-dyes content:

- a) 1 + 2 + 3;
- b) 4 + 5 + 6.

Groups of materials tested for Phtalates content:

- c) 3.

Materials tested for PAHs content:

- material 3.



TEST REPORT

N. 4113122/E

date: 08/09/2022

References	Tests	Measuring unit	Requirements	Results
EN 1621-2:2014	Motorcyclists' back protectors			
4.1*	General	-	Protectors shall be safe for use, comfortable to wear and fit for their purpose	Pass
4.2 (EN 1621-1:2012)*	Innocuousness			
EN ISO 13688:2013 +A1:2021 4.2*	Innocuousness		Materials shall not adversely affect the health or hygiene of the user, they shall not release substances generally known to be toxic, carcinogenic, mutagenic, allergenic, toxic to reproduction or otherwise harmful.	Pass
4.2/c ISO 3071:2020	pH - other materials extracting solution: KCl	-	> 3,5 and < 9,5	Material 1 6,6 2 6,9 3 6,3 4 6,8 5 7,1 6 6,5
4.2 d ISO 14362-1:2017# textile	Azo colorants content	mg/kg	absent (< 30 mg/kg)	Groups of materials: a ^a , b Pass
^a Under test conditions, 4-aminoazobenzene might break down into aniline and 1,4-Phenylenediamine. 14,2 mg/kg of 1,4-Phenylenediamine were found in the present test sample.				
				Material: 1 2 3
5.2.2 (6.2) (EN ISO 11642:2012 o EN ISO 105-E01: 2013)*	Colour fastness to water - discharge a) acetate b) cotton c) polyamide d) polyester e) polyacrylic f) wool	Grey scale 5=good, 1=bad.	≥ 4 ≥ 4 ≥ 4 ≥ 4 ≥ 4 ≥ 4	4/5 4/5 5 4/5 4/5 4/5 4/5 4/5 4 4/5 4/5 4/5 4/5 4/5 5 4/5 5 4/5



TEST REPORT

N. 4113122/E

date: 08/09/2022

References	Tests	Measuring unit	Requirements	Results
				Material: 4 5 6
5.2.2 (6.2) (EN ISO 11642:2012 o EN ISO 105-E01: 2013)*	Colour fastness to water - discharge a) acetate b) cotton c) polyamide d) polyester e) polyacrylic f) wool	Grey scale 5=good, 1=bad.	≥ 4 ≥ 4 ≥ 4 ≥ 4 ≥ 4 ≥ 4	4/5 4/5 5 4 4/5 4/5 4/5 4 4 4/5 4/5 4/5 5 4/5 4/5 4/5 4/5 5
4.3 (Table 1)*	Type of protector	-	Full, central or lower back protector (FB, CB, LB)	CB
-	Overall protective level	-	1/2	1
				Sizes: XS, S, M, L, XL, XXL
4.5 (5.2.2)	Ergonomic features (not applicable for protectors to be inserted/incorporated into garments): - Male tester with WS:	cm	Pass -	Pass 52
4.6*	Sizing Waist-to-shoulder length (W-S) (range min-max) Declared: Verified:	cm cm	- -	48-52 48-52
	Innocuousness, additional chemical tests			
ISO/TS 16190:2021 #	Polycyclic aromatic hydrocarbons (PAH's)	mg/kg	< 1 mg/kg (of any PAH listed in REACH Annex XVII Entry 50)	Material: 3 Pass
EN ISO 14389:2014#	Phthalates	mg/kg	< 1000 mg/kg (Sum of phthalates listed in REACH Annex XVII Entry 51)	Group of material: c Pass

- End of the Test Report -