



TEST REPORT

N. **4307059/E**

date: 05/03/2024

CLIENT: **EVOC SPORTS GMBH**
Tegernseer Landstraße 37A
81541 München
Germany

SR

FOR THE ATTENTION OF: Tobias Reischle

DC 18299/E

SAMPLING: done by the Applicant

SAMPLES RECEIVED: 29/02/2024

TEST PERIOD: 05/03/2024

SAMPLES: Body armor, art. "**TORSO PROTECTOR**", size S/M for cycling, skiing and snowboarding use with chest and back protector declared entirely made of a black TPE partially perforated and light gray marked "EVOC".
The fastening system are black elastic straps **(1)** fixed to the DPI by means of a polymeric button.

REQUEST: Laboratory tests in accordance with me-int 097 rev. 09, EN 1621-2:2014 and EN 1621-3:2018 for the update of the Certification (Regulation (EU)2016/425) due to the addition of a new size (S/M).

NOTE:

- This article is to be considered as a variant of model already certified with EU No. 855234501/OE.
- For all the results not included in this document, see Test Report. No. 4213434/E;

OUTCOME: **PASS**

Notes:

All results refer exclusively to the tested materials as received.

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 rev08 del 01/01/2023



| References | Tests | Measuring unit | Requirements | Results |
|---|--|------------------------|---|----------------------------------|
| Internal method Ricotest me-int 097-08* | Body armor - Assembly of protectors of the trunk and upper arms | | | |
| - | Sizing - commercial size - back: WS range - shoulder protectors - elbow protectors - chest protection | - cm - - - | - - Type A/TypeB Type A/TypeB Type A/TypeB for EN 1621-3 or chest girth min-max for EN 14021 | S/M 43-47 - - type B |
| - | Back protector | | Accordant with EN 1621-2 | pass |
| - | Chest protection | | Accordant with EN 14021 or EN 1621-3 or not declared as a protector, only used for aesthetic purposes | pass |



| References | Tests | Measuring unit | Requirements | Results |
|--|---|----------------|--------------|---------|
| EN 13688:2013 +A1:2021 4.4 4.4.1 – 4.4.2 Annex C* | Comfort | | | |
| | - the protective garment should provide a level of comfort consistent with the provided level of protection; | | pass | pass |
| | - it has not got any rough, sharp or hard surfaces which may chafe or injure the user; | | pass | pass |
| | - it shall not be so tight that blood flow and deep breathing are restricted; | | pass | pass |
| | - it shall not be so loose/tight that it interferes with the user's movements; | | pass | pass |
| | - the garment design is appropriately proportioned and positioned; | | pass | pass |
| | - the adjustment system range is adequate; | | pass | pass |
| | - it allows the user to perform the following movements: standing, sitting, walking, stair climbing, raising both hands above the head, bending over; | | pass | pass |
| | - the sleeves should not be so long that they interfere with the movements of the hands; | | pass | n.a. |
| | - it should not have flapping parts which move independently and inconveniently; | | pass | pass |
| | - the protector should not open unexpectedly and unintentionally between or within its different components; | | pass | pass |
| | - there should not be any unreasonable restriction of movement at any joint; | | pass | pass |
| - putting on and removing other PPE items should be possible without any difficulty. | | pass | pass | |



| References | Tests | Measuring unit | Requirements | Results |
|---|--|----------------|---|---------------------------|
| Analogue method EN 13595-1:2002 6 (annex A) Prospect A.1* | Fit and ergonomics - Is the garment free of rough, sharp or hard components, or other features that may cause irritation or that would make riding hazardous? - is it possible to put on the garment and to operate the fasteners and adjusters without hindrance? - are all the protectors correctly positioned (or adjustable) so that they do not cause discomfort or hinder the necessary movements of the limbs? | | yes yes yes | yes yes yes |
| - | Protector's positioning on the body Body protected area coverage | | The area of the body declared to be protected is covered adequately by each protector | pass |
| Analogue method EN 14021:2003 4.5 (6.4)* | Tear strength of the fastening systems | - | All rigid attachments and straps, as well as fasteners and adjusters, shall be able to withstand a pulling force of 120 N without failure | pass |
| EN 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 |
| - | Information note it shall specify that the body armor: - is intended for use other than road motorcycles (i.e. off-road, enduro, cross, downhill) - it was designed to be used as "stand-alone" | - | - | pass |



| References | Tests | Measuring unit | Requirements | Results |
|-----------------------|---|----------------|---|-----------------------------------|
| EN 1621-2:2014 | Motorcyclists' back protectors | | | |
| 4.3 (Table 1) | Type of protector | - | Full, central or lower back protector (FB, CB, LB) | FB |
| 4.4 (5.1.6.1) | Impact force transmission 50J / bar impactor "kerbstone" - Standard conditioning (23°C/50% r.h.) - Single values: 1) 2) 3) 4) 5) - Mean: - Level: Visual check after impact | kN | lev.1 lev.2 ≤ 24 ≤ 12 | 5,9 5,6 5,6 10,7 10,2 |
| | | kN | ≤ 18 ≤ 9 | 7,6 |
| | | - | 1/2 | 2 |
| | Visual check after impact | - | no fragmentation of the sample and no sharp edges, cracks and loss of soft debris are permissible | pass |
| - | Overall protective level | - | 1/2 | 2 |
| 4.5 (5.2.1) | Dangerous elements | - | No sharp edges or other features that may cause any inconvenience to the user | pass |
| | Correspondence between the protective area marked on the back/lumbar protector and the extent of the body part which must be protected | - | Pass | pass |
| 4.5 (5.2.2) | Ergonomic features | - | Pass | pass |
| | - Male tester with WS: | cm | - | 47 |
| 4.6* | Sizing Waist-to-shoulder length (W-S) (range min-max) | | | |
| | Declared: | cm | - | 43-47 |
| | Verified: | cm | - | 43-47 |



TEST REPORT

N. **4307059/E**

date: 05/03/2024

| References | Tests | Measuring unit | Requirements | Results |
|------------|---|----------------|--|---------|
| - | Protector's positioning on the body Body protected area coverage | | The area of the body declared to be protected is covered adequately by the protector | pass |

- End of the Test Report -