





date: 05/03/2024

TEST REPORT

N. **4307059/E**

 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
 Image: Comparison of the Applicant

 SAMPLES RECEIVED:
 29/02/2024
 Image: Comparison of the Applicant

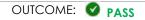
 TEST PERIOD:
 05/03/2024
 Image: Comparison of the Applicant of the Apple of the App

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:

button.

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



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









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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









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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 adjustement 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







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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?		yes	yes
	- is it possible to put on the garment and to operate the fasteners and adjusters without hindrance?		yes	yes
	- 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
-	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 know 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









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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)	kN	lev.1 lev.2 ≤24 ≤12	5,9 5,6 5,6 10,7 10,2
	- Mean:	kN	≤ 18 ≤ 9	7,6
	- Level:	-	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: Verified:	cm cm		43-47 43-47









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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 -