



EU Type Examination Certificate

Date: 2024/01/10

n. **855240201/OE**

Validity: 2029/01/09

The hereunder described items of Personal Protective Equipment have overcome positively the "EU type examination" (Module B), proving their conformity to the safety and health requirements of the Regulation (EU) 2016/425 (Annex II)



Manufacturer: **EVOC Sports GmbH**
(Responsible of the PPE) Tegernseer Landstraße 37A, 81541 Munich – GERMANY

Type of PPE: **"Body-armor" for use by cyclists for children's use only**

Category of PPE: **II** : "medium" risks.
This certificate is based on reference standards listed below: its validity is no longer ensured should new version of the standards come into force.

Model **"PROTECTOR JACKET KIDS"**
col. BLACK

Description:

design: shirt;
external coating:
- caviar black 19-4006 lycra (JERSEY LYCRA YTC-C5466);
- caviar black 19-4006 stretch mesh (MESH YTC-54324);
- caviar black 19-4006 mesh (MESH SINGETX SK-1155).
internal coating (in contact with the body):
- caviar black 19-4006 lycra (JERSEY LYCRA YTC-C5466);
- caviar black 19-4006 stretch mesh (MESH YTC-54324);
- caviar black 19-4006 elastic with stone grey 4702TPX silicon print (ELS_01).
fastening system: by means of a lateral zipper and a caviar black 19-4006 waist band (JUMBO ELASTIC).
mid-layer (chest): anthracite perforated foam.

BACK PROTECTOR:
external coating: caviar black 19-4006 mesh (MESH SINGETX SK-1155);
internal coating: caviar black 19-4006 stretch mesh (MESH YTC-54324);
padding: black perforated polymeric material (LITESHIELD FLEX).

Certified protector inserted in the garment:
shoulder protector: art. "SC-K101" by Sas-Tec GmbH.

Technical Standard:

EN 1621-1:2012 (partial application)	Motorcyclists' protective clothing against mechanical impact – Part 1: Motorcyclists' limb joint impact protectors: requirements and test methods. <u>(EXCEPT for the category and type of protector)</u> .
EN 1621-2:2014	Motorcyclists' protective clothing against mechanical impact - Part 2: Motorcyclists' back protectors – Requirements and test methods.
me-int 097	Body armor – assembly of protectors of the trunk and upper arms.

Intended use: preventive use during cycling activities: protection is given by this PPE item only when fully equipped and implemented by suitable additional equipment.





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Size range:

BODY ARMOR commercial sizes	BACK (FB = Full Back) Waist to Shoulder length (cm) as per EN 1621-2:2014	SHOULDER
JS	33-37	Art. SC-K101
JM	33-37	
JL	33-37	

Technical File: **DC-17805**

Test report: **RCT n° 4215007/E**

Functions and performance levels: To reduce the severity of injuries caused by impacts. The protectors give a limited protection against mechanical impact in case of accidents.

SHOULDER PROTECTOR: Method: planar face drop striker at 50J
Mandatory tests: impact test performed at standard ambient conditions and after hydrolytic treatment (wet conditions).
 The overall performance level reached is: **level 1**.

BACK PROTECTOR: Method: "kerbstone" at 50J.
Mandatory tests: impact test performed at standard ambient conditions and after hydrolytic treatment (wet conditions).
Optional tests: impact test performed at high (24 h/+40°C) and low temperature (24 h/-10°C).
 The overall performance level reached is: **level 1**.

NOTE 1: The Norms EN 1621-1:2012 and EN 1621-2:2014 2 provide 2 performance levels and level 2 is the one offering higher performances.

GENERAL NOTE: The protective functions also depend on the correct positioning of the Body-Armor, which is not part of this assessment and falls within the responsibility of the user.

Marking: Printed on stitched labels and displaying the following information:

- **CE marking;**
- name, trademark and address of the Manufacturer;
- item designation;
- pictogram in accordance with the European Technical Standard, protector category and type, overall performance level, nr. and year of the reference Standard;
- pictogram chosen by the Manufacturer to indicate bike use;
- for back protectors only: pictogram to indicate the W-S length (in cm);
- other info: pictogram instructing to read the User Manual, commercial size, "Made in...", care and washing instructions, material compositions, reference to certified inner protector inserted into the body armor etc.





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EVOG Sports GmbH
Tegernseer Landstr. 37A
81541 München
Germany
www.evocsports.com



NOTE: the Technical File contains a more detailed description of the PPE (material, method of assembly, photographs or drawings), performance data, safety functions and level of protection, elements of conformity to the basic and supplementary requirements. The Technical File is integral part of the present Certification, which has to be kept available by the applicant to be forwarded - upon request - to the entitled person (supervising body, Controlling Officer).





CLIENT: **EVOC Sports GmbH**
Tegernseer Landstraße 37A
81541 München
Germany

DP

FOR THE ATTENTION OF: Tobias Reischle

DC 17805

SAMPLING: done by the Applicant

TEST REPORTS: this document is based on Test Reports no.: 4212031/E

SAMPLES: Body armor for bike/downhill and winter sports use, art. "**PROTECTOR JACKET KID**", black color.

See the complete description on the next page.

REQUEST: Laboratory tests in accordance with me-int 097, EN 1621-1:2012, EN 1621-2:2014 for the aim of the Certification (Regulation (EU) 2016/425).

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



DESCRIPTION:

article: "PROTECTOR JACKET KID", black color;

design: shirt;

external coating:

- caviar black 19-4006 lycra (JERSEY LYCRA YTC-C5466) **(1)**;

- caviar black 19-4006 stretch mesh (MESH YTC-5434) **(2)**;

- caviar black 19-4006 mesh (MESH SINGETX SK-1155) **(3)**.

internal coating (in contact with the body):

- caviar black 19-4006 lycra (JERSEY LYCRA YTC-C5466) **(1)**;

- caviar black 19-4006 stretch mesh (MESH YTC-5434) **(2)**;

- caviar black 19-4006 elastic with stone grey 4702TPX silicon print (ELS_01) **(5)**.

fastening system: by means of a lateral zipper and a caviar black 19-4006 waist band (JUMBO ELASTIC) **(4)**.

mid-layer (chest): anthracite perforated foam.

BACK PROTECTOR:

external coating: caviar black 19-4006 mesh (MESH SINGETX SK-1155) **(3)**.

internal coating: caviar black 19-4006 stretch mesh (MESH YTC-5434) **(2)**.

padding: black perforated polymeric material (LITESHIELD FLEX).

SHOULDER PROTECTOR:

external/internal coating: caviar black 19-4006 lycra (JERSEY LYCRA YTC-C5466) **(1)**;

padding: yellow partially perforated foam (SAS-TEC art. SC-K101).



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/Type B Type A/Type B Type A/Type B	JS/JM/JL 33-37 A - -
-	Back protector		Accordant with EN 1621-2	Pass
-	Shoulder protectors		Accordant with EN 1621-1	Pass
-	Elbow protectors		Accordant with EN 1621-1	-
-	Chest protection		Accordant with EN 1621-3	-
EN 13688:2013 +A1:2021 4.4 4.4.1 – 4.4.2 Annex C*	Comfort		pass	Pass
Analogue method EN 13595-1:2002 6 (annex A) Prospect A.1*	Fit and ergonomics		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



References	Tests	Measuring unit	Requirements	Results												
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												
4.2/c ISO 3071: 2020	pH - other materials extracting solution: KCl			<table border="1"> <thead> <tr> <th>Material</th> <th>Reference: TR (Material)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4212016/E (1)</td> </tr> <tr> <td>2</td> <td>4212016/E (2)</td> </tr> <tr> <td>3</td> <td>4212016/E (3)</td> </tr> <tr> <td>4</td> <td>4212016/E (4)</td> </tr> <tr> <td>5</td> <td>4212016/E (5)</td> </tr> </tbody> </table>	Material	Reference: TR (Material)	1	4212016/E (1)	2	4212016/E (2)	3	4212016/E (3)	4	4212016/E (4)	5	4212016/E (5)
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4.2 d ISO 14362-1:2017#* textile	Azo colorants content:			<table border="1"> <thead> <tr> <th>Material</th> <th>Reference: TR (Material)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4212016/E (1)</td> </tr> <tr> <td>2</td> <td>4212016/E (2)</td> </tr> <tr> <td>3</td> <td>4212016/E (3)</td> </tr> <tr> <td>4</td> <td>4212016/E (4)</td> </tr> <tr> <td>5</td> <td>4212016/E (5)</td> </tr> </tbody> </table>	Material	Reference: TR (Material)	1	4212016/E (1)	2	4212016/E (2)	3	4212016/E (3)	4	4212016/E (4)	5	4212016/E (5)
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5	4212016/E (5)															
EN 1621-1 :2012 5.2.2 (6.2) (EN ISO 11642:2012 o EN ISO 105-E01: 2013)*	Color fastness to water			<table border="1"> <thead> <tr> <th>Material</th> <th>Reference: TR (Material)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4212016/E (1)</td> </tr> <tr> <td>2</td> <td>4212016/E (2)</td> </tr> <tr> <td>3</td> <td>4212016/E (3)</td> </tr> <tr> <td>4</td> <td>4212016/E (4)</td> </tr> <tr> <td>5</td> <td>4212016/E (5)</td> </tr> </tbody> </table>	Material	Reference: TR (Material)	1	4212016/E (1)	2	4212016/E (2)	3	4212016/E (3)	4	4212016/E (4)	5	4212016/E (5)
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5	4212016/E (5)															
	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 1621-1:2012	Motorcyclists' limb joint impact protectors			
4 (5.3 – 6.3.1.5)*	Type of protector - declared dimension: - tested/confirmed dimension:	-	S, E, H, K, L, K+L Type A/B (table 1)	H A A
	Note: in accordance with the Customer it has been used the template "H" type A even if the intended use is S/E/K for children			
5.2 5.2.1	Innocuousness			
EN ISO 13688:2013+ A1:20214.2*	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
5.4	Impact test			
5.4 6.3.4.2	Impact force transmission 50J / flat impactor 40x80mm - Standard conditioning (23°C/50% r.h.)		see TR 4134936/E	
5.4 6.3.4.3	Impact force transmission 50J / flat impactor 40x80mm - Wet impact test conditioning: hydrolytic treatment 72h/+70°C/>96% r.h. + 24h/23°C		see TR 4134936/E	
-	Overall protective level	-	1/2	1
5.5 6.4 - 6.5	Ergonomic features	-	Pass	Pass
-	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



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
4.3 (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.)		see TR 4211615.01/E	
4.4 (5.1.6.2)	Impact force transmission 50J / bar impactor "kerbstone" - Wet impact test conditioning: hydrolytic treatment 72h/+70°C/>96% r.h. + 24h/23°C		see TR 4211615.01/E	
4.4 (5.1.6.3) (optional T+)	Impact force transmission 50J / bar impactor "kerbstone" - High temperature Conditioning: 24h/+40°C		see TR 4211615.01/E	
me-int 040-01 (analogue method 4.4 - 5.1.6.4)* (Winter sport /Multisport) (optional)	Impact force transmission 50J / bar impactor "kerbstone" Conditioning: 24h/-20°C		see TR 4211615.01/E	
-	Overall protective level	-	1/2	1



References	Tests	Measuring unit	Requirements	Results				
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	-	33-37				
4.6*	Sizing Waist-to-shoulder length (W-S) (range min-max)							
	Declared: Verified:	cm cm	- -	33-37 33-37				
-	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				
	Innocuousness, additional chemical tests							
EN ISO 14389:2014#*	Phthalates		<table border="1"> <tr> <td>Material</td> <td>Reference: TR (Group)</td> </tr> <tr> <td>LITESHIELD FLEX LIMB</td> <td>4212016/E (C)</td> </tr> </table>	Material	Reference: TR (Group)	LITESHIELD FLEX LIMB	4212016/E (C)	
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LITESHIELD FLEX LIMB	4212016/E (C)							

- End of the Technical Report -

EU DECLARATION OF CONFORMITY

EU Regulation 2016/425

The Manufacturer

EVOC Sports GmbH
Tegernseer Landstraße 37A
D-81541 Munich
Germany

declares under his sole responsibility that the PPE

PROTECTOR JACKET KIDS

has undergone the EU-type examination conformity assessment procedure (Module B)
performed by the Notified Body RICOTEST (N.0498),
which has issued the EU Type Examination Certificate No 4215007/E

and is compliant with the following Standard EN 1621-1:2012; EN1621-2:2014

Signed for and on behalf of EVOC SPORTS GmbH
München, 19.12.2023

A handwritten signature in black ink, appearing to be 'T. Reischle', written over a faint circular stamp or watermark.

Tobias Reischle

Product Manager