

EC Type-Examination Certificate

Directive for Personal Protective Equipment

Certificate No.: DK-0200-PPE-2201 version 2

Issued by FORCE Certification A/S - EC-notified body number 0200

In accordance with Danish Working Environment Authority Regulation No. 683 of June 10th 2013, which in Denmark implements the Council Directives No. 89/686, No. 93/68, No. 93/95 and No. 96/58 (PPE) and regulations EC/1882/2003 and EU/1025/2012, EC type-examination certificate is issued to:

Manufacturer: **QJS (UK) Ltd.**
Saxilby Enterprise Park, Saxilby
Lincoln, LN1 2LR
United Kingdom

Identification of Personal Protective Equipment:

Type: **Chemical protective clothing against liquid chemicals**

Designation: **Bib & brace models 170B and 170K**

Classification: **PB[4]: Partial body protection with spray tight connections**

Manufactured by: **QJS with sub suppliers as specified in the appendix to the type examination certificate.**

The examined samples are found to fulfil the relevant requirements stated in the following harmonised standard(s):

EN 14605:2005 + A1:2009 **Chemical protective clothing against liquid chemicals – Performance requirements for clothing with liquid-tight (type 3) or spray-tight (Type 4) connections.**

Category: The examined type of personal protective equipment is class III equipment and a quality control agreement with a notified body must be available.

Documentation for observance of relevant requirements stated in Appendix II of Regulation No. 683 of June 10th 2013 and the basis for the type examination are described in the appendix to this certificate. The manufacturer must inform FORCE Certification A/S of any contemplated changes.

This EC Type-Examination Certificate updates the former EC Type-Examination Certificate DK-0200-PPE-2201 version 1 dated 2014.12.18. Products manufactured under previous versions of this certificate remains valid.

FORCE Certification A/S Task No.: 116-32065
FC No. DK-0200-PPE-01530

Date of issue: 2016.11.22
Date of expiry: 2021.11.22



Philippa Weirup Osted
Certification manager



Erik Bjarrov
Examiner

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Classification annex to EC Type-Examination Certificate

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170B and 170K material properties

Classification according to EN 14325:2004

Property	Class	Class requirements
Abrasion (EN 530)	6	> 2000 cycles
Flex cracking resistance (ISO 7854:B)	6	>100.000 cycles
Tear resistance (EN ISO 9073-4)	5	> 100 N
Tensile strength (EN ISO 13934-1)	4	≥ 250 N
Puncture resistance (EN 863)	2	> 10 N
Resistance to ignition EN 13274-4 method 3*	Pass	Not continue to burn
Seam strength (ISO 5082 Annex A2)	4	> 125 N

* If resistance to flame is essential for the use of this product, specific testing should be performed depending on the intended use, e.g. EN ISO 14116.

Resistance to permeation by chemicals

Chemical	Material
Sodium hydroxide, 10%	6
Sulphuric Acid, 30%	6
o-Xylene, liquid	0*
Butan-1-ol, liquid	1

* < 5 min

Classification according to EN 343

Property	Class	Class requirements
Resistance to water penetration (EN 20811)	3	>13000 Pa
Water vapour resistance to (EN 31092)	1	>40 Pa
Tensile strength (EN ISO 13934-1)	Elongation > 100%	> 450 N or Elongation > 50%

Date: 2016.11.22

A handwritten signature in blue ink, appearing to read "Erik Bjarnov".

Erik Bjarnov
Examiner

Appendix to EC Type-Examination Certificate

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Manufacturer: **QJS (UK) Ltd.**
Saxilby Enterprise Park, Saxilby
Lincoln, LN1 2LR
United Kingdom

Identification of Personal Protective Equipment:

Type: **Chemical protective clothing against liquid chemicals**

Designation: **170B and 170K**

Classification: **PB[4]: Partial body protection with spray tight connections**

Design:

170B has black braces and a reflective stripe around the legs (Hi-Vis is not claimed). 170K has a pocket with opening down for insertion of a knee-pad.



170B



170K (without logo and the reflective stripe fitted)
Knee pocket visible

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History:

Issue/change:	Document:	Date:
1	New certificate	2014.12.18
2	Inclusion of model 170K	2016.11.22

Manufacturer/Sub-Supplier:

Design:	QJS (UK) and Elka Rainwear, Sunds, Denmark
Assembly:	Svytis Lithuania, last finish by QJS (UK)

Materials/Designations:

Techmaphobic Super D1157, 240 g/m ²	Seyntex, Belgium
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Documentation for observance of relevant requirements stated in the harmonized standard EN 14605:2005+A1:2009

Test House	File No.	Testing/Inspection of:
FORCE Technology	108-30624.01a date 2008.12.16	EN/ISO 17491-4 Spray Test of a jacket (smock) in same material and production technique
	108-30624.01c date 2009.02.04	Seam strength EN 13935-2
FORCE Certification	113-32333 date 2014.01.20	Control statement, §11A production control, models 076500 and 076600E
Centexbel	Certification report RD.NB/1304 dated 2008-02-13 Analysis Report 58390/B 2007-08-27	Material properties Techmaphobic Super D1157

From design, it is obvious that the trousers will offer comparable protection to jackets apart from the part of body protected.

Partial conclusion:

The requirements stated in EN 14605:2005+A1:2009 are fulfilled for the relevant test clauses and classifications

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Documentation for observance of relevant requirements stated in the harmonized standard EN 343:2004

Test House	File No.	Testing/Inspection of:
Centexbel	Certification report RD.NB/1304 dated 2008-02-13 Analysis Report 58390/B 2007-08-27	Material properties
Centexbel	Certification report RD.DVB/2254 dated 2003-03-05	Techmaflex materials properties to EN 343

Partial conclusion: The requirements stated in EN 343:2004 are fulfilled for the relevant test clauses and classifications

Documentation for observance of relevant requirements stated in Appendix II of Regulation No. 1273 of December 18th 1996:

Description of quality management system:	2004.03.31 exemplified by dess. 079900 CENTEXBEL. Oekotex certificate No. 0011059 dated 16 January 2004 for the material. FORCE Certification §11.A production control inspection report 2014.03.21 with supplementing information Agreement between QJS (UK) and ELKA dated 14.11.2016
Declaration of innocuousness:	2016.11.14
User Manual and marking:	Draft instructions and label 2014.12

The user manual and marking was assessed in English. The manufacturer is obligated to provide user manual and marking in the language of the country in which the product is to be used.

Conclusion

Based on the above mentioned attestation it can be concluded that the personal protective equipment, designated QJS models 170B and 170K meets the conditions of EC type-examination in accordance with the Danish Working Environment Authority Regulation No. 683 of June 10th 2013.

FORCE Certification A/S task No.: 116-32065

Date: 2016.11.22

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Erik Bjarnov
Examiner