



Finnish Institute of
Occupational Health

FIOH
notified by the Ministry of Social Affairs and Health
and identified under 0403 grants

EC TYPE EXAMINATION CERTIFICATE

180025GJS01

for high visibility clothing
as defined in EN ISO 20471:2013
class 1 for minimum areas of visible materials
Hantverksbyxa Egnared 5010
Egnared Workwear HB
Ullared, Sweden

This product complies with Directive 89/686/EEC,
as amended

Helsinki, 7 June 2018
Expiry date: 21 April 2023

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Technical documentation regarding EC type examination certificate 180025GJS01

Product name: Hantverksbyxa Egnared 5010

Applicant: Egnared Workwear HB, Egnared 207, 311 62 Ullared, Sweden

Item of technical documentation	Document identification	Assessment
1. Application for the EC type examination	2017-12-18	
2. Product drawing, construction, and material list	Sample of the product Produktbeskrivning	Product is identified, materials are specified
3. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on reports mentioned below items 3.1-3.7	
3.1 FIOH assessment of relevant Directive basic requirements	2018-06-07	The applied harmonised standards EN ISO 13688:2013 and EN ISO 20471:2013 support the relevant requirements
3.2 TTI test reports	No: 04353-18, 2018-03-02 No: 09452-18, 2018-05-16 Fabric Swatch, HV Yellow	Fluorescent material and colour meets the requirements of EN ISO 20471:2013 (5 domestic washes at 60°C)
3.3 TTI test reports	No: 04349-18, 2018-03-02 No: 11372-18, 2018-05-24 Fabric Swatch, Black	Non-fluorescent material and colour meets the requirements of EN ISO 20471:2013
3.4 FIOH Certificate of Test	No. 270140A01, 2014-12-02 3M™ Scotchlite™ 8910 Silver Fabric	Retroreflective material meets the requirements of EN ISO 20471:2013 (50 domestic washes at 60°C)
3.5 FIOH test record	Assessment of the design and measurement of the areas, 2018-01-15, 2018-05-25	Trouser meets the requirements of class 1 as defined in EN ISO 20471:2013. Areas of visible materials in size 46: reflex 0.11 m ² , fluorescent 0.24 m ²
3.6 Draft information sheet	Egnared Workwear, Art nr: 5010 Produktbeskrivning/Bruksanvisning	Documents meet the requirements of the Directive 89/686/EEC, EN ISO 13688:2013 and EN ISO 20471:2013
3.7 Product markings	Egnared Workwear, Art nr: 5010	Marking meets the requirements of EN ISO 13688:2013 and EN ISO 20471:2013
4. Description of the production quality system and related product control and test facilities	Egnared Workwear, Production Control Process and Inspection Report	Adequate to category II product



1. Applicant

Egnared Workwear HB
Egnared 207
311 62 Ullared
Sweden

2. Description and identification of the product

Type: High visibility clothing as defined in EN ISO 20471:2013

Class 1 for minimum areas of visible materials

Name: Hantverksbyxa Egnared 5010

Size range: 46 ->

Description: Trouser is partly made of a fluorescent yellow woven twill fabric, 100% CO, 300 g/m² (Z Sulehri International, Pakistan). Non-fluorescent material is the same quality in black colour.

Retroreflective material is 3M™ Scotchlite™ 8910 Silver Fabric.

Manufacturer: Egnared Workwear HB, Egnared 207, 311 62 Ullared, Sweden

Pictures of the product





3. Adequacy and validity of the technical documentation

The documentation supplied by the applicant is listed in Appendix 1. The technical documentation is considered adequate and valid. Materials and the product have been tested in accordance with a harmonized European standard EN ISO 20471:2013 by accredited testing laboratories. The model of the product supplied by the applicant conforms to the technical documentation.

4. Compliance with basic health and safety requirements

The product and the technical documentation relating to it comply with the relevant basic health and safety requirements stated in Directive 89/686/EEC Annex II as amended, last amended by 96/58/EC.

Note: Any modification in design, materials, or in the technical documentation, carried out on this type examined product must be brought to the attention of FIOH.

Appendix 1. Technical documentation

End of EC type examination certificate 180025GJS01.