



Finnish Institute of
Occupational Health

FIOH

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

EC TYPE EXAMINATION CERTIFICATE

17179HGS01rev1

for high visibility clothing
as defined in EN ISO 20471:2013
sizes C44 and D84-D88 class 1,
sizes C46-> and D92-> class 2

HV HP Pirate 2217

Jobman Workwear AB
Upplands Väsby, Sweden

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

Helsinki, 11 October 2018
Expiry date: 21 April 2023

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1. Applicant

Jobman Workwear AB
Box 2044
SE-19402 Upplands Väsby
Sweden

2. Description and identification of the product

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

Sizes C44 and D84-D88 class 1, sizes C46-> and D92-> class 2

Name: HV HP Pirate 2217

Size range: C44 ->, D84 ->

Description: Trousers are made of a fluorescent yellow or orange twill woven fabric, quality 150D*10S, 75% PES 25% CO, 260 g/m² (Xinxiang Yu Long Textile Co. Ltd., China).

Non-fluorescent material is navy or black woven fabric, quality MH-090A, 100% PA (New Wave Group, China).

Retroreflective material is 3M™ Scotchlite™ 8912 Silver Fabric.

Manufacturer: Jobman Workwear AB, Box 2044, SE-19402 Upplands Väsby, Sweden

Picture 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.

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 17179HGS01rev1.



Technical documentation regarding EC type examination certificate 17179HGS01rev1

Products: HV HP Pirate 2217

Applicant: Jobman Workwear AB, Box 2044, SE-19402 Upplands Väsby, Sweden

Item of technical documentation	Document identification	Assessment
1. Application for the EC type examination	2017-04-01 Update request, e-mail 2018-07-12	
2. Product drawing, construction, and material list	Sketch of the product Measurement list 2217, 2018-07-12	Product is identified and 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	2018-10-11	The applied harmonised standards EN ISO 13688 and EN ISO 20471:2013 support the relevant requirements
3.2 BTTG test reports	Ref: Supplement to 11/18358/PJH, 2013-07-23 Ref: 11/18813/PJH, 2013-10-31 75/25 PES/CO Twill, HV Yellow Ref: 11/18549/PJH, 2013-09-13 Ref: 11/18883/PJH, 2013-11-15 75/25 PES/CO Twill, HV Orange	Fluorescent material and colours meet the requirements of EN ISO 20471:2013 (5 wash cycles at 40°C)
3.3 SGS test report	No. SHSL1606143099TX, 2016-06-28 MH-090A, Navy, Black	Non-fluorescent material and colours meet the requirements of EN ISO 20471:2013
3.4 FIOH certificate of test	No. 186348A03rev1, 2013-10-04 3M™ Scotchlite™ 8912 Silver Fabric	Retroreflective material meets the requirements of EN ISO 20471:2013 (60 wash cycles at 60°C)
3.5 FIOH test record	Assessment of the design and measurement of areas, 2018-08-31	Trouser meets the requirements of class 1 in sizes C44, D84-D88 and of class 2 in sizes C46-> and D92-> as defined in EN ISO 20471:2013. Areas of visible materials in samples: <ul style="list-style-type: none">• size C44: reflex 0.14 m², fluorescent 0.48 m²• size C46: reflex 0.15 m², fluorescent 0.53 m²• size D84: reflex 0.13 m², fluorescent 0.42 m²
3.6 Draft information sheet	High Visibility EN ISO 20471:2013, Jobman Workwear	Document meets the requirements of the Directive, EN ISO 13688 and EN ISO 20471:2013
3.7 Product markings	Drafts of marking, Art.no 2217	Marking meets the requirements of EN ISO 13688 and EN ISO 20471:2013
4. Description of the production quality system and related product control and test facilities	New Wave Group, Supplier Handbook, Sofline Version, April 2008	Adequate for category II products