



Finnish Institute of
Occupational Health

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

EC TYPE EXAMINATION CERTIFICATE

16467JAS01

for level dependent earmuff type hearing protector with electrical
audio input, FM radio and Bluetooth connection as defined in
EN 352-1:2002, EN 352-4:2001/A1:2005,
EN 352-6:2002 and EN 352-8:2008

MSA left/RIGHT Wireless World Dual, Type 1 headband
MSA Sordin AB
Värnamo
Sweden

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

Helsinki, 18 November 2016
Expiry date: 17 November 2021

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1. Applicant

MSA Sordin AB
Rörläggarvägen 8
33151 Värnamo
Sweden

2. Description and identification of the product

Type: Earmuff type hearing protectors with over-the-head headband

Name: MSA left/RIGHT Wireless World Dual, Type 1 headband

Description: A level dependent earmuff type hearing protector with electrical audio input, FM radio and Bluetooth connection as defined in EN 352-1:2002, EN 352-4:2001/A1:2005, EN 352-6:2002 and EN 352-8:2008. Black cups, black cushions and black headband.

Size range: Small, medium and large

Manufacturer: MSA Sordin AB

Pictures of the product are on page 3.

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. The product has been tested in accordance with harmonized European standards EN 352-1:2002, EN 352-4:2001/A1:2005, EN 352-6:2002 and EN 352-8:2008 by accredited testing methods. 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 (in Finland VNp 1406/93 Liite 1).

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. Documentation



Pictures of the product:



MSA left/RIGHT Wireless World Dual, Type 1 headband has the same headband as MSA left/RIGHT Wireless World, Type 1 headband (in picture)



MSA left/RIGHT Wireless World Dual, Type 1 has the same cups and functions as MSA left/RIGHT Wireless World Dual, Type 2 helmet-mounted (in picture)

End of EC type examination certificate.



**Technical and other documentation regarding EC type examination certificate
16467JAS01**

Product name: MSA left/RIGHT Wireless World Dual, Type 1 headband
Applicant: MSA Sordin AB

<i>Item of documentation</i>	<i>Document identification</i>	<i>Remarks</i>
1. Application for the EC type examination	2016-09-15, Thierry Pittié	Adequate
2. Product drawing, construction, and material list	Drawings and material lists PVA00162-00, Rev.0, 2016-03-21 PVA00056-02, Rev.2, 2016-03-30 attached to application	The product and materials are identified
3. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on reports mentioned below items 3.1-3.4	
3.1 FIOH assessment of relevant Directive basic requirements	2016-11-18	The applied harmonised standards EN 352-1:2002, EN 352-4:2001/A1:2005, EN 352-6:2002 and EN 352-8:2008 support the relevant requirements
3.2.1 FIOH test reports	29233T01, 2009-11-27 29233T02, 2015-04-27	Type1 medium Dual1 fulfils the requirements of EN 352-1:2002 for size ranges S, M and L. The mechanical construction of MSA left/RIGHT Wireless World Dual, Type 1 (product A) is similar to Type1 medium Dual1 (product B) and the headband force of product A fulfils the requirements of a supplementary combination when compared to the headband force of product B. Thus it can be assessed that MSA left/RIGHT Wireless World Dual, Type 1 also fulfils the requirements of EN 352-1:2002 for size ranges S, M and L.
	333755T02, 2016-08-26	MSA left/RIGHT Wireless World Dual, Type 1 headband fulfils the requirements of EN 352-1:2002 for adjustability, headband force and minimum attenuation. The FM radio fulfils the requirements of EN 352-8:2008.
3.2.2 Combitech test reports	CAB-16-1932-2520-207, 2016-08-10	The level-dependent feature of MSA left/RIGHT Wireless World Dual, Type 1 headband fulfils the requirements of EN 352-4:2001/A1:2005.
	CAB-16-1932-2641-084, 2016-08-10	The audio input of MSA left/RIGHT Wireless World Dual, Type 1 headband fulfils the requirements of EN 352-6:2002.
	CAB-16-1932-2711-742, 2016-08-10	The Bluetooth connection of MSA left/RIGHT Wireless World Dual, Type 1 headband fulfils the requirements of EN 352-8:2008.



3.3 Draft information sheet	Draft_07_Standards_leftright, 2016-08-13 appendix to application.	Document meets the requirements of Directive 89/686/EEC, EN 352-1:2002, EN 352-4:2001/A1:2005, EN 352-6:2002 and EN 352-8:2008.
3.4 Product markings	On product	Markings meet the requirements of EN 352-3:2002
4. Description of the production quality system and related product control and test facilities	Quality Plan Left-Right WW CC, 2016-06-28	Adequate for category II products

End of documentation list.