



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

# EC TYPE EXAMINATION CERTIFICATE

17474ALS01

for custom moulded earplug type hearing protectors with electrical  
audio input as defined in EN 352-2:2002

**Offshore Earplug**  
Safe Sound Audio A/S  
Stavanger, NORWAY

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

Helsinki, 5 December 2017  
Expiry date: 4 December 2022

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This certificate comprises 2 pages and an appendix.



### 1. Applicant

Safe Sound Audio A/S  
Nedre Banegate 19  
4014 Stavanger  
NORWAY

### 2. Description and identification of the product

Type: Custom moulded earplug type hearing protectors with electrical audio input as defined in EN 352-2:2002

Name: Offshore Earplug

Size range: Custom moulded

Manufacturer: A-Kabel AS / Safe Sound Audio A/S



### 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 standard EN 352-2:2002 by accredited testing methods. The electrical audio-input of the earplug was measured with an in-house method based on the methods described in EN 352-6:2002. 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. Technical documentation

End of EC type examination certificate.





### Technical and other documentation regarding EC type examination certificate

Product name: Offshore Earplug  
Applicant: Safe Sound Audio A/S

Item of documentation	Document identification	Remarks
1. Application for the EC type examination	2017-03-01, Øystein Bratteli	Adequate
2. Product drawings, constructions, and material lists	Appendix to application	The products and materials are identified
3. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on reports mentioned below items 3.1-3.5	
3.1 FIOH assessment of relevant Directive basic requirements	2017-12-05	The applied harmonised standard EN 352-2:2002 and the in-house method for electrical audio input of earplugs support the relevant requirements
3.2 FIOH test report	189713T02. 2012-06-25 for Offshore Earplug custom moulded earplugs	The product fulfils the requirements of EN 352-2:2002
3.3 TNO test report	TM-98-C055, 1998-09-21 for DuoCom custom moulded communication earplug equipped with ML01 filter	The product fulfils the requirements of EN 352-2:1993 and prEN 352-6:1998  There is no measurement standard or Rfu for measuring communication earplugs. The method used in EN 352-6 is based on the method used in prEN 352-6:1998 (method for measuring earmuffs). EN 352-6 is used as basis for in-house measurement of the communication earplugs. Thus the report is sufficient and can be used in order to assess the requirements of the Directive.  The electrical properties of Offshore Earplug are identical to DuoCom earplug.
3.4 Draft information sheet	Appendix to application	The documents meet the requirements of the Directive and EN 352-2:2002.
3.5 Product markings	Appendix to application	Markings meet the requirements of EN 352-2:2002.
4. Description of the production quality system and related product control and test facilities	Document 4b appendix to application	Adequate for category II products

#### End of documentation list