



EC TYPE EXAMINATION CERTIFICATE

SAI Global Assurance Services Limited ("SAI Global") (Notified Body No: NB2056) has examined the product and the related technical documentation as presented and certifies that the product complies with the Directive(s) and Standard or Specification as below and on the appendixes included with the certificate.

Certificate holder: **Oy Silenta Ltd**
Lansivayla 7,
Jyväskylä 40700.
Finland

Product Description: **Earmuff with helmet attachment**

Examined for compliance with: **Directive PPE 89/686/EEC**

Relevant Standard(s)/Technical Specification: EN 352-3:2002 Hearing Protectors – Safety Requirements and Testing - Ear Muffs attached to an Industrial Safety Helmet

Additional Information:

Date of issue: **7th August, 2012**

Certificate No: **CEPPE20074**

A handwritten signature in black ink, appearing to be 'J. P. ...'.

Technical Manager, EMEA

A handwritten signature in black ink, appearing to be 'M. Boleyn'.

Regional Director, EMEA
Authorized Signatory

This certificate remains the property of SAI Global and has been issued in accordance with the CE Scheme Conditions and Procedures of the SAI Global Assurance Services Limited, Partis House, Ground Floor, Davy Avenue, Knowlhill Milton Keynes, MK5 8HJ. United Kingdom.
Notified Body: 2056.

THIS CERTIFICATE DOES NOT ENTITLE THE HOLDER TO USE ANY OF THE CERTIFICATION TRADEMARKS ISSUED BY SAI GLOBAL LIMITED OR OTHERWISE.



APPENDIX 1

SAI Global Assurance Services Limited (“SAI Global”) (Notified Body No: NB2056) has examined the product and the related technical documentation as presented and certifies that the product complies with the Directive(s) and Standard or Specification as below.

Product Description: **Personal Ear Protection (Category II)**

Model:

Designation/ Model	Description
Silenta Aurora Cap	Earmuff with helmet attachment. Adjustable cup model hearing protector. Size medium and large.
Silenta Auroramil Cap	Earmuff with helmet attachment. Adjustable cup model hearing protector. Size small, medium and large.
Silenta Ergomax Cap	Earmuff with helmet attachment. Adjustable cup model hearing protector. Size small, medium and large.
Silenta Splendorcap Hat	Earmuff with helmet attachment. Adjustable cup model hearing protector. Size small, medium and large.

Examined for compliance with: **Directive PPE 89/686/EEC (Article 10)**

Relevant Standard(s)/Technical Specification: EN 352-3:2002 Hearing Protectors – Safety Requirements and Testing - Ear Muffs attached to an Industrial Safety Helmet

Technical file Reference No: **CEPPE20074A1 – CR13992**

Date of issue: **7th August, 2012**

Certificate No: **CEPPE20074A1**

Technical Manager, EMEA

**Regional Director, EMEA
Authorized Signatory**

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THIS CERTIFICATE DOES NOT ENTITLE THE HOLDER TO USE ANY OF THE CERTIFICATION TRADEMARKS ISSUED BY SAI GLOBAL LIMITED OR OTHERWISE.

EC DECLARATION OF CONFORMITY

The manufacturer or his authorized representative established in the Community

**OY SILENTA LTD
LÄNSIVÄYLÄ 7
40700 JYVÄSKYLÄ
FINLAND**

declares that the new PPE described hereafter

**SILENTA ERGOMAX CAP
ADJUSTABLE CUP MODEL
HEARING PROTECTOR**

is in conformity with the provisions of Council Directive 89/686/EEC and, where such is the case, with the national standard transposing harmonized standard No **EN 352-3:2002** (for the PPE referred to in Article 8(3)) and, is identical to the PPE which is the subject of EC certificate of conformity No. CEPPE20074 issued by the notified body:

**SAI GLOBAL ASSURANCE SERVICES LTD
PARTIS HOUSE, GROUND FLOOR
DAVY AVENUE
KNOWLHILL
MILTON KEYNES
MK5 8HJ
UNITED KINGDOM
NB2056**

Oy Silenta Ltd.
06 August 2012



**ARIMO RISTOLA
MANAGING DIRECTOR**



Professional Service Industries, Inc.

REPORT TO : **Oy Silenta Ltd.** Project No. 818-43172
Fin - 41330 Vihtavuori Laboratory No. ELC-46094
Finland Report Date: 9-7-94

ATTENTION : Mr. Jyri Kari

REPORT OF : **Dielectric Testing of Hearing Protectors**

GENERAL

Five (5) sets of Ergocap hearing protectors, and one (1) safety helmet (hard hat) identified as a Centurion model 1125, were submitted to this laboratory by Oy Silenta Ltd. on August 17, 1994. The received samples were subjected to a dielectric voltage withstand test.

TEST PROCEDURE

Two aluminum foil tape electrodes were placed on each side of a wooden hat block in the locations where the foam pads of the hearing protectors would normally rest on the hat block. The two foil electrodes were connected together by another section of foil tape to serve as the complete grounding electrode. Aluminum tape was attached to the hard hat 3.5 inches from the rim directly above the mount slot for hearing protectors. The metal tape, measuring 4 inches in length and 2 inches in width, followed the curvature of the hat rim maintaining the previously mentioned distance of 3.5 inches. The mount slot was used to centrally locate the 4 inch length of metal tape. The taped areas were connected via another piece of foil tape to serve as the positive electrodes. One hard hat was used for each pair of hearing protectors. The leakage current was measured initially in the configuration of the hard hat without the hearing protectors, and secondly with the hearing protectors. This would show any difference in current measurements produced by the addition of the hearing protectors.

TEST CONDITIONS AND RESULTS

Test Fixture : Solid wooden hat block in shape of a human head
Voltage Rate : 1000 volts per second to final voltage of 50 KV
Test Equipment : Associated Research Hipot Tester, 100 KV Max, 60 Hz
Test Medium : Air $73 \pm 3^\circ\text{F}$, $50 \pm 10\%$ Relative Humidity
Room Conditions : $73 \pm 3^\circ\text{F}$, $50 \pm 10\%$ Relative Humidity
Requirements : None Specified
Hold Time : 3 Minutes
Applied Voltage : 50 KV

Dielectric Testing of Hearing Protectors

Trial No.	Test Configuration	Leakage Current (mA)
1	Hard Hat Only	0.1954
	Hard Hat & Hearing Protectors	0.2112
2	Hard Hat Only	0.1981
	Hard Hat & Hearing Protectors	0.1908
3	Hard Hat Only	0.1930
	Hard Hat & Hearing Protectors	0.1961
4	Hard Hat Only	0.1914
	Hard Hat & Hearing Protectors	0.1926
5	Hard Hat Only	0.1914
	Hard Hat & Hearing Protectors	0.2046


NOTE: No Breakdowns were observed. Maximum flashover occurred at 60.5 KV for the electrode arrangement used and room conditions at time of test.

No Requirement Specified

Testing Performed By:


Joel M. Mayhue
Senior Test Technician

Reviewed and Approved By:


William C. Zollars, Manager
Electrical Department