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Datum/Date	Beteckning/Reference	Sida/Page
May 19, 1995	95H11293B	1 (4)
3:rd edition		

Type approval of Industrial safety helmet

Assignment

Type testing of industrial safety helmet in compliance with EN 397.

Product and sample arrival

Industrial safety helmet: PELTOR G 22C, Size 54-62.

The helmet can have two alternative harnesses; G 22C or G 22D. G 22C has a sweatband of plastic and G 22D has a sweatband of leather.

Eight helmets were used for examination and tests. The samples were sent to the testing institute by the manufacturer and arrived on April 21, 1995.

Test date

The tests were performed during the period April 24 to May 12, 1995.

Examination - general requirements

The helmet had a hard shell and a harness with a system of straps acting as a shock absorbing device. The head band was adjustable (in steps of less than 5 mm) within the size range 54 - 62 and the wearing height was adjustable. There were no rivets, sharp edges etcetera that could cause injuries. The width of the chin strap was determined to 15 mm, and fulfils the requirements in 4.8 of the standard. The marking on the tested samples was examined according to part 6 and found uncomplete, see below conclusion.

Wearing height, distances and clearances were measured on a headform type K (size 58), with the wearing height adjustment set to its highest position within the shell.

<i>Dimension</i>	<i>Result</i>	<i>Requirement (Point)</i>
'External vertical distance'	44 mm	< 80 mm (4.2)
'Internal vertical distance'	37 mm	< 50 mm (4.3)
'Internal vertical clearance'	37 mm	> 25 mm (4.4)
'Horizontal distance'	6 mm (front)	> 5 mm (4.5)
'Wearing height'	97 mm, size 56 94 mm, size 58	> 85 mm (4.6) > 90 mm (4.6)

The tested sample fulfils the requirements 4.2 - 4.6 about wearing height, clearances and distances.

Testing - performance requirements

The tested samples were conditioned according to 6.2 in the standard.

Two samples, no 3 and no 7, were artificially aged. This ageing was performed according to EN 397 annex B, in a test apparatus ATLAS Wether-o-meter type CI65. The test and calibration conditions for the apparatus is in accordance with ISO 4892-2.

Test conditions:

- Black standard temperature 70±3°C.
- Relative humidity 50±5%.
- Raincycle 102/18 minutes. Demineralised water.
- Filtering to "daylight".
- Intensity 60±6 W/m² within the wavelength range 290 - 400 nm.
- Total energy 1GJ/m² over the wavelength range 280 to 800 nm.

Shock absorption

Testing according to 6.6 'Shock absorption'

Headform	Sample no	Conditioning	Result, Newton
58	1	Water	3 491
58	2	+50°C	3 130
58	3	Aged	3 852
58	4	-30°C	3 975

Requirements according to 4.1.1 - Max. force 5 000 Newton - are fulfilled when performing the mandatory tests and the optional test according to 6.2.7 - Very low temperature: -30° C.

The peak force value was measured with an accuracy of 5 %.

Resistance to penetration

Testing according to 6.7 'Resistance to penetration'

Headform	Sample	Conditioning	Result
58	5	Water	No contact
58	6	+50°C	No contact
58	7	Aged	No contact
58	8	-30°C	No contact

Requirements according to 5.1.2 - The point of the striker may not contact the headform - are fulfilled when performing the mandatory tests and the optional test according to 6.2.7 - Very low temperature: -30° C.

Resistance to flame

Testing of sample no 2 according to 6.8 'Resistance to flame'.

There was no dripping. The shell stopped burning immediately after the flame was removed and no hole occurred.

Requirement according to 5.1.3 - The shell shall not burn with emission of flame after a period of 5 s has elapsed after removal of the flame- is fulfilled.

Chin strap anchorages

Testing according to 6.9 'Chin strap anchorage'

Sample no	Conditioning before this test	Release force (3 tests)	Requirement
6	room temp.*	201, 192, 187 Newton	150 - 250 Newton

* The sample had earlier been conditioned in +50° C and tested according to 6.7.

Requirement according to 5.1.4 - The cylinders simulating the jaw bone shall become detached by a force between 150 and 250 Newton- is fulfilled.

Electrical insulation

Testing according to 6.10 'Electrical insulation'

The test was performed at SP, Physics & Electrotechnics, on May 18, 1995.

Result test 1 (6.10.1) Leakage current < 0,1 mA

Result test 2 (6.10.2) Leakage current = 0,3 mA

Result test 3 (6.10.3) Leakage current < 0,1 mA

Requirement 5.2.3 - Leakage current shall not exceed 1,2 mA- fulfilled.

Lateral deformation

Testing according to 6.11 'Lateral deformation'

The maximum deformation was determined to 31 mm and the permanent deformation was determined to 1 mm.

Requirements 5.2.4 - Maximum lateral deformation not more than 40 mm and residual lateral deformation not more than 15 mm - are fulfilled.

Conclusion of test results

The tested sample of industrial safety helmet, PELTOR G 22 C size 54-62, fulfils all the mandatory requirements according to EN 397 and the optional requirements:

-Very low temperature: -30°C

-Lateral deformation

-Electrical insulation

The marking of the tested samples was uncomplete, and must be corrected.

This can be checked in the examination of the technical file at the EC type-examination.

Note

The second edition differs from the first at the following point: Below "Product and sample arrival" the sentences about the two alternative harnesses are added.

This third edition differs from the first and second at the following points: Below "Testing - performance requirements", a description of the artificial ageing is added. Below "Shock absorption" the sentence "The ageing was performed according to ISO 4892." is removed.

Swedish National Testing and Research Institute Mechanics



Lars Andersson
Technical Manager



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Handläggare, enhet/Handled by, department	Datum/Date	Beteckning/Reference	Sida/Page
Ulf Sandberg, Mechanics Tel +46 (0)33 16 53 57	1995-08-31	95H11343	1 (2)

Type approval of Industrial safety helmet according to EN 397

Assignment

Type testing of industrial safety helmet according to optional requirements of EN 397:1995. The test was limited to the optional requirement 5.2.5 - Molten metal splash.

Product and sample arrival

Industrial safety helmet: PELTOR G 22C and G2000C, Size 54-61.
2 samples were examined and tested. The samples were sent to the testing institute by the manufacturer and arrived on August 23, 1995.

Test date

The test was performed on August 25, 1995.

Conclusion of test results

The tested samples of industrial safety helmet, Peltor G22C and G2000C, size 54-61, fulfills the following optional requirement of the EN 397:
5.2.5 - Molten metal splash.

Testing

Testing according to 6.12 - Molten metal splash.

The test was performed at Skeppshult's metal foundry in Skeppshult by SP Mechanics on August 25, 1995. 160 grammes of melted iron (in liquid form, with a temperature of 1405°C) was poured onto the helmet from above, the helmet placed on an aluminum headform. The melted iron was poured onto the helmet's crown within a circular area having a radius of 50 mm and its center on the helmet's crown. (The aluminum headform's "central vertical axis")

No iron penetrated the shell of the helmet.

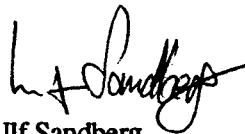
No deformation could be observed except that area on the shell that was melted.
The shell did not burn 5 seconds after the melted iron had been poured onto it.

All three requirements in 5.2.5; (a) no penetration of melted iron; (b) deformation less than 10 mm and (c) burning not more than 5 seconds, were fulfilled.

**Swedish National Testing and Research Institute
Mechanics**



Lars Andersson
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erklärt, dass die im Folgenden beschriebene persönliche Schutzausrüstung

Schutzhelm, Peltor G22C/D STIHL 0000 884 0186

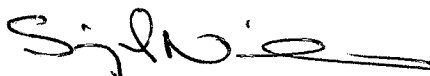
den Vorgaben der Ratsrichtlinie 89/686/EEC und, falls relevant, den nationalen Bestimmungen zum harmonisierten Standard EN397 entspricht.

identisch mit der persönlichen Schutzausrüstung im EU-Konformitätszertifikat Nr. 13 19 01 ist, das von SP, Swedish National Testing and Research Institute, Box 857, 501 15 Borås, Schweden, ausgefertigt wurde.

Datum und Ort der Ausfertigung

Värnamo, den 28.06.1995

Name und Unterschrift der berechtigten Person



Sigvard Nilsson

Position

Development Manager

DECLARATION OF CONFORMITY

Manufacturer's name, address, telephone/fax no

Peltor AB

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declares that the new PPE described hereafter

Industrial safety helmet, Peltor G22C/D STIHL 0000 884 0186

is in conformity with the provisions of Council Directive 89/686/EEC and, where such is the case, with the national standard transposing harmonised standard No. EN397

is identical to the PPE which is the subject of EC certificate of conformity No. 13 19 01 issued by SP, Swedish National Testing and Research Institute, Box 857, 501 15 BORÅS, Sweden

Date and place of issue

Värnamo 1995-06-28

Name and signature of authorized person


Sigvard Nilsson

Position

Development Manager

DÉCLARATION DE CONFORMITÉ

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déclare que le nouveau PPE décrit ci-après

Casque industriel anti-chocs, Peltor G22C/D STIHL 0000 884 0186

est conforme aux dispositions de la directive européenne 89/686/EEC, et lorsque c'est le cas à la norme nationale transposant la norme harmonisée n° EN397

est identique à la PPE qui est l'objet du certificat UE de conformité n° 13 19 01 délivré par SP, Swedish National Testing and Research Institute, Box 857, SE-501 15 BORÅS, Suède.

Date et lieu de délivrance

Värnamo, le 28 juin 1995

Nom et signature de la personne autorisée


Sigvard Nilsson

Titre

Directeur Développement



TESTING OF HEARING PROTECTORS IN ACCORDANCE WITH prEN 352-3:1993

Date: 15.6.1995

Name: **Peltor H9P3**

Manufacturer: **Peltor AB**

Type: Ear muff attached to industrial safety helmet type Peltor G22C/D as the basic set/

Description: Yellow cup, black foam cushions, metal band

**FINNISH INSTITUTE OF OCCUPATIONAL HEALTH
DEPARTMENT of PHYSICS**

Eero Korhonen
Technical manager

Esko Toppila
Researcher

OUR REFERENCE 95084T01

Customer's reference:



TEST REPORT NUMBER 95084T01

1. CUSTOMER

Peltor Ab
Box 2341
33102 Värnamo

2. DESCRIPTION AND IDENTIFICATION OF THE TEST ITEMS

Name Peltor H9P3

Type: Ear muff attached to industrial safety helmet type Peltor G22C/D as the basic set

Description: Yellow cup, black foam cushions, metal band

Manufacturer: Peltor AB

3. TEST ITEMS

Ten items were supplied by the customer 1.4.1995. They were intact.

4. TESTING

The tests were performed during 1.4.1995 - 15.6..1995 in the testing laboratories of the Department of Physics. The tests were performed according to the standard prEN 352-3/September 1993.

5. RESULTS

5.1. Adjustability

The nominal size of ear-muffs was measured from specimens 1-6 in accordance with 7.2.



Peltor H9P3 fitted to the test dimensions as follows:

Test Height mm	Width mm		
	125	145	155
115	S	N	-
130	N	N	N
140	-	N	L

Peltor H9P3 satisfies the requirements in the small, normal and large size range

5.2. Cup rotation

Cup rotation was measured from specimen 1-6 in accordance with 7.3. The ability of the cups to accommodate a range of angular movements was tested. The contact between the cushions of Peltor H9P3 and the plates was continuous throughout this range.

5.3. Equivalent headband force

The headband force was measured from specimen 1-6 in accordance with 7.4. The mean value of headband force for the specimens 1-6 was 9.1 N for small head size (S), 11.8 for normal head size (N) and 11.9 for large head size (L). In all positions the headband force shall be not greater than 14 N.

5.4. Cushion pressure

Cushion pressure was measured from specimen 1-6 in accordance with 7.5. The cushion pressure of Peltor H9P3 was 2340 Pa for small head size (S), 2790 Pa for normal head size (N) and 2620 Pa for large head size (L). In all cases the cushion pressure shall be not greater than 4500 Pa.

5.5. Resistance to damage when dropped

Resistance to damage when dropped was measured in accordance to 7.6. Peltor H9P3 did not crack or become detached.

5.6. Resistance to low temperature (optional)

Not performed



5.7. Change in equivalent headband force

Specimens 1-6 were subject to headband flexing in accordance with 7.9 and to water immersion in accordance with 7.10. After conditioning (60±5) min in (22±5) °C the headband force was measured again. The headband force shall not change by more than ±20%.

Specimen number	Change in headband force (%)
1	+11
2	+5
3	+4
4	+4
5	+3
6	+0

5.8. Insertion loss

Insertion loss was tested from specimen 1-10 in accordance with 7.12. The results are shown below.

Frequency (Hz)	63	125	250	500	1000	2000	3150	4000	6300	8000
Mean IL (dB)	11.5	12.0	12.1	31.3	41.8	42.8	40.0	34.2	37.9	38.6
std.dev(dB)	1.6	1.7	0.9	0.8	0.7	1.1	0.7	0.7	1.0	0.6

5.9. Resistance to leakage

Not applicable

5.10. Ignitability

Ignitability was tested from specimen 5-6 in accordance with 7.14. Peltor H9P3 did not ignite or continue to glow after removal of the heated rod.



5.11. Sound attenuation

Sound attenuation was tested from specimen 1-4 in accordance with 7.15.

Sound attenuation characteristics in the over the head position

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation (dB)	10.4	14.0	25.8	35.1	33.1	37.0	34.3	35.6	38.5
St. deviation	3.2	1.8	2.6	1.8	3.9	2.6	1.7	2.3	1.8
APV (84%)	7.2	12.2	23.2	33.3	29.2	34.4	32.6	33.3	36.7

$H_{84} = 32$ dB

$M_{84} = 23$ dB

$L_{84} = 14$ dB

$SNR_{84} = 26$ dB

5.12. Secondary set measurements

Not applicable

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erklärt, dass die im Folgenden beschriebene persönliche Schutzausrüstung

Kapselgehörschutz zur Helmmontage, H9P3* STIHL 0000 884 0186

den Vorgaben der Ratsrichtlinie 89/686/EEC und, falls relevant, den nationalen Bestimmungen zum harmonisierten Standard Nr. prEN352-3 entspricht.

identisch mit der persönlichen Schutzausrüstung im EU-Konformitätszertifikat Nr. 95081S02 ist, das vom Institute of Occupational Health, Department of Physics, Laajaniityntie 1, 01620 VANTAA, Finland, ausgefertigt wurde.

Datum und Ort der Ausfertigung

Värnamo, den 31.10.2001



Name und Unterschrift der berechtigten Person

Sigvard Nilsson

Position

Development Manager

DECLARATION OF CONFORMITY

Manufacturer's name, address, telephone/fax no

Peltor AB

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331 02 Värnamo, Sweden

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declares that the new PPE described hereafter

Helmet mounted hearing protector, Peltor H9P3* STIHL 0000 884 0186

is in conformity with the provisions of Council Directive 89/686/EEC and, where such is the case, with the national standard transposing harmonised standard No. prEN 352-3

is identical to the PPE which is the subject of EC certificate of conformity No. 95081S02 issued by Institute of Occupational Health, Department of Physics, Laajaniityntie 1, 01620 VANTAA, Finland

Date and place of issue

Värnamo 2001-10-31

Name and signature of authorized person


Sigvard Nilsson

Position

Development Manager

DÉCLARATION DE CONFORMITÉ

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déclare que le nouveau PPE décrit ci-après

Protection auditive sur casque, Peltor H9P3* STIHL 0000 884 0186

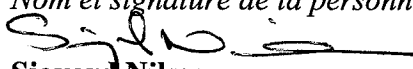
est conforme aux dispositions de la directive européenne 89/686/CEE, et lorsque c'est le cas à la norme nationale transposant la norme harmonisée n° prEN352-3

est identique à la PPE qui est l'objet du certificat UE de conformité n° 95081S02 délivré par Institute of Occupational Health, Department of Physics, Topeliuksenkatu 41, FI-00250 HELSINKI, Finlande.

Date et lieu de délivrance

Värnamo, le 31.10.2001

Nom et signature de la personne autorisée


Sigvard Nilsson

Titre

Directeur Développement

prEN 1731 : November 1994

**Mesh type eye and face protectors for
industrial and non-industrial use against
mechanical hazards and/or heat**

TEST REPORT NO: 95.07.21

CLIENT: INSPEC Certification Limited
The Buckland Wharf
Buckland Wharf
Aylesbury
Buckinghamshire HP22 5LQ

MANUFACTURER: Peltor AB
Box 2341
Malmstengatan 19
S-331 02 Varnamo
Sweden

MODEL: V1B Mesh Visor and G22C Helmet (with H3 ear muff attached)

DATE SAMPLES RECEIVED: 3 April 1995

DATE ORDER RECEIVED: 11 April 1995

DATES OF TESTS: 18 June - 14 July 1995

Checked: *A. Diamond* Approved: *F. Pennington*
A. DIAMOND F. PENNINGTON

Issued: 11 AUGUST 1995

Page 1 of 7

The samples tested will be destroyed four weeks from the date of this report unless otherwise instructed

INTRODUCTION:

INSPEC Certification Limited submitted 20 samples of Peltor AB's model V1B mesh visor and 10 samples of Peltor AB's model G22C helmet (including attached H3 ear-muffs), for testing as units to certain specified requirements of prEN 1731 : November 1994.

It will be helpful to refer to the Standard whilst reading this report.

PROCEDURES:

The samples required for testing were identified as follows:-

V1B visor:	E30501 to E30518
G22C helmet with H3 ear-muff attached:	E30001B and E30004B to E30012B

For simplicity, the samples of visor are referred to by only the last two digits and the samples of helmet with attached ear-muffs by only the last three digits of these identifications throughout the remainder of this report.

Testing was performed as specified in the relevant clauses of prEN 1731 : November 1994, except where stated below under certain "Procedural Notes".

The numbers of samples tested against specific clauses are reported under the appropriate results. Where no mention is made of the numbers of the samples tested, it should be assumed that all samples were assessed.

Visor samples were mounted on to helmet samples, fitted with ear-muffs, when required by the testing being performed. As necessitated by the nature of the test, the ear-muffs were placed in an as-worn position. For ease of reporting, the ear-muffs are only referenced where their fitment had some bearing on the test in question.

PROCEDURAL NOTES:

1. When testing the helmets with attached ear muffs for "Ignitability", the client had specified that no assessment of the ear-muffs and its helmet attachment components should be made.
2. Specific instructions for disinfection of the samples were not supplied in the " Information for users" booklet that had been submitted for assessment. Instructions for disinfection were later included in a fax supplied by the manufacturer.
3. In order to accurately determine the number of apertures per cm² the number of apertures over an area of 3cm x 3cm was determined. The number of apertures per cm² was then calculated accordingly .
4. Assessment to the requirements of Clause 4.2.1.3 was made in the following way. To assess the minimum width, a measurement was taken along the surface of the visor for a horizontal line passing through the visual centres of the visor. To assess the minimum height, a measurement was taken along the surface of the visor, for a vertical line that started from the underside of the helmet peak and passed through one of the visual centres. The visor surround was included in the measurements.
5. Clause 5.1 of prEN 1731 : November 1994 makes reference to the method of testing required by EN 166, and for assessment to be made in accordance with Clause 7.2.2 of that Standard, for sections a) to c) only. For the purpose of this report, reference was made to prEN166 : March 1994 and, as instructed by the client, assessment to all of the sections of Clause 7.2.2 of EN 166 was made.

RESULTS:

Please refer to the Standard for details of the requirements of the tests performed.

4.1.1 Resistance to corrosion

All metal components of visor samples 01 to 03 and helmet samples 04B to 06B (including the attached ear-muffs) were tested.

Following testing, no signs of corrosion were visible on any of the samples tested.

4.1.2 Resistance to ignition

Visor samples 04 to 06 and helmet samples 07B to 09B were tested. See "Procedural Notes - 1".

For the samples tested, the helmet attachment plates ignited on contact with the heated rod. No other component ignited whilst in contact with the rod and no component glowed after removal of the rod.

4.1.3 Cleaning and disinfection

Visor sample 09 and helmet sample 01B (including attached ear-muffs) were tested. See "Procedural Notes - 2"

No visible change was observed when the samples were cleaned and disinfected using the method specified by the manufacturer.

4.1.4 Skin irritation

The effects of any materials which would be in contact with the wearer when worn were not assessed.

Manufacturer to certify.

4.1.5 Mesh

All visor samples were assessed.

The mesh submitted comprised of woven plastic.

4.1.6 Dimension of mesh and aperture

Visor sample 10 was assessed. See "Procedural Notes - 3"

The number of apertures per cm² was found to be 64.

4.2.1 General Construction

The eye-protectors were free from projections, sharp edges or any other defects that were likely to cause discomfort or injury during use.

4.2.1.1 Helmet samples 01B, 11B and 12B were assessed and the head harness of the helmet was the principal means of support.

The nape strap was the narrowest section of the head harness and was found to have a minimum width of nominally 22 mm where in contact with the wearer's head.

RESULTS (continued):**4.2.1.2 Adjustability and/or replacement of components**

The units were assessed as assembled devices. Adjustable parts were as follows:-

- i) Visor clips allowed the visor to be mounted on to the helmet attachment plate, and also to be lifted up or down in relation to the wearer. The component parts were easily disassembled and the linkage itself could be easily removed from the helmet attachment plate, in each case without the use of tools.
- ii) The wearing height of the helmet, and the head size of the headband of the helmet, were easily adjustable by means of the head harness. The head harness of the helmet could easily be removed without tools.
- iii) The height of the ear-muffs in relation to the helmet could be adjusted easily, and the ear-muff assemblies could easily be detached from the helmet by use of a screw-driver.

The "Information for users" booklet provided with the samples indicated that replacement visor clips were available.

For all of the other adjustable parts, the manufacturer shall certify whether or not replacement is intended.

4.2.1.3 Basic dimensions of a mesh visor

Visor samples 08 to 10, mounted on to helmet samples 11B, 01B and 12B respectively, were tested. See "Procedural Notes - 4"

The minimum dimensions were as follows:-

Table 1 - Minimum dimensions

Sample	08	09	10
Width (mm)	312	312	312
Height (mm)	164	163	163

4.2.2.1 Uniformity of mesh

All visor samples were assessed.

The apertures of the mesh were of a nominally uniform size over the whole viewing area.

4.2.2.2 Minimum dimension

Visor samples 08 to 10 were assessed.

For each of the samples tested, the aperture for the mesh section was such that the specified rectangle could be described in full for each eye at the required pupillary distance.

4.3.1 Reflectance

When worn, all inside surfaces of the mesh visor appeared to be of matt and dark finish. However, the underside of the helmet peak which is visible when worn was not of a matt and dark finish.

RESULTS (continued):**4.3.2 Luminous transmittance**

Visor samples 08 to 10 were tested.

The luminous transmittances for the oculars of the samples tested were as follows:-

Table 2 - Luminous transmittance

Sample	08	09	10
Left (%)	55.4	55.5	55.5
Right (%)	55.7	55.3	55.5

4.3.3.1 Increased robustness

Visor samples 01 to 08, attached to helmet samples 04B to 11B (including attached ear-muffs) respectively, were tested.

None of the samples tested showed any of the defects listed in the Standard.

5.1 Mesh visors resisting high speed particles

Visor samples 11 to 18, attached to helmet samples 04B to 11B (including attached ear-muffs) respectively, were tested. See "Procedural Notes - 5".

The eye protector failed to cover completely all of the impact points on the headform. Following this failure, impact testing was not performed.

6 Marking

None of the samples supplied were marked to the requirements of this Standard. The manufacturer had included details of the intended marking for the mesh visor in document P950279 which accompanied the submission. The proposed marking for the mesh visor included the manufacturer's trademark on one part of the visor housing, and "V1B EN 1731 : 1994 CE95" on a separate part of the housing.

6.1 General

As the samples were not marked, it was not possible to assess the permanence of the marking. The document, referenced above, stated that the marking would be moulded. If the marking were to be included on the visor surround, as indicated in the document, then it would not encroach into the minimum visible aperture. Manufacturer to certify.

The ocular and its housing which is to contain the relevant proposed marking, form an integral unit. With consideration of this, it is the opinion of INSPEC Laboratories Limited that the marking does not additionally need to be applied to the ocular.

6.3 Marking of mesh visor

See 6.1 above.

The samples had been submitted for assessment to the requirements for "Mesh visors resisting high speed particles". With this claim, an appropriate mechanical strength symbol would have been required in the marking. However, assessment carried out for this report showed that this claim would have been invalid. The lack of a mechanical strength symbol in the proposed marking was therefore satisfactory.

RESULTS (continued):

6.3.1 Frame or housing marking

See 6.1 and 6.3 above.

7 Information for users

The information was printed in one booklet and on one fax supplied by the manufacturer.

- a) The name and address of the manufacturer were included.
- b) The Standard number was given as "prEN 1731".
- c) A model identification number was included.
- d) Instructions for use and maintenance were included. Instructions for storage were not included.
- e) Specific cleaning and disinfection instructions were given. See "Procedural notes - 2"
- f) Details of field of use, protection capabilities and performance characteristics were included.
- g) Indication of a maximum weight for a combination with safety cap and/or earmuffs, was not included. Manufacturer to certify whether this information is appropriate, and therefore necessary.
- h) Obsolescence information was not included.
- i) Details of suitable accessories and spare parts were given.
- j) The mesh visor did not incorporate an additional protective ocular. Not applicable.
- k) The significance of the marking on the frame and ocular was included. Although the Standard only references assessment of goggles and spectacles it is the opinion of INSPEC Laboratories Limited that this should be assessed.
- l) A specific warning that the materials may cause allergic reaction to certain individuals was not included.

CONCLUSIONS:

The samples of Peltor AB's model V1B mesh visor and G22C helmet (including attached H3 ear-muffs), when tested as units, satisfied the requirements of prEN 1731 : November 1994 which were assessed, except for:-

- 4.1.2 Resistance to ignition
 - the helmet attachment plates ignited on contact with the heated rod
- 4.1.6 Dimension of mesh and apertures
 - number of apertures per unit area exceeded the maximum permitted
- 4.3.1 Reflectance - underside of helmet peak
- 5.1 Mesh visors resisting high-speed particles
 - coverage of impact points
- 6.1 Marking - General
 - only proposed marking was assessed.
- 7 Information for users
 - information was only supplied in one booklet and on one fax.
 - d, h, and l .

Parts, or all, of the following requested clauses were not assessed:-

- 4.1.4 Skin irritation
- 4.2.1.2 Adjustability and/or replacement of components - replacement of components
- 6.1 Marking - general
- 7 Information for users
 - g)

Please refer to the Results section of this report to determine which requirements had been requested for assessment.

KONFORMITÄTSERKLÄRUNG

Herstellername, Adresse, Telefonnr./Faxnr.

Peltor AB

Box 2341

33102 Värnamo, Schweden

Tel. +46 (0)370-694200, Fax +46 (0)370-15130

erklärt, dass die im Folgenden beschriebene persönliche Schutzausrüstung

Augenschützer, Peltor V1B STIHL 0000 884 0186

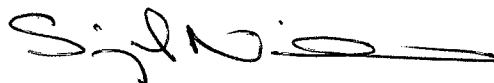
den Vorgaben der Ratsrichtlinie 89/686/EEC und, falls relevant, den nationalen Bestimmungen zum harmonisierten Standard prEN1731 entspricht.

identisch mit der persönlichen Schutzausrüstung im EU-Konformitätszertifikat Nr. 364 ist, das von INSPEC Certification Ltd, The Buckland Wharf, Buckland Wharf, Aylesbury, Bucks, HP22 5LQ, England, ausgefertigt wurde.

Datum und Ort der Ausfertigung

Värnamo, den 10.01.1996

Name und Unterschrift der berechtigten Person



Sigvard Nilsson

Position

Development Manager

DECLARATION OF CONFORMITY

Manufacturer's name, address, telephone/fax no

Peltor AB

Box 2341

331 02 Värnamo, Sweden

Tel +46 (0)370-694200, Fax +46 (0)370-15130

declares that the new PPE described hereafter

Eye protector, Peltor V1B STIHL 0000 884 0186

is in conformity with the provisions of Council Directive 89/686/EEC and, where such is the case, with the national standard transposing harmonised standard No.

prEN1731

is identical to the PPE which is the subject of EC certificate of conformity No. 364 issued by INSPEC Certification Ltd, The Buckland Wharf, Buckland Wharf, Aylesbury, Bucks, HP22 5LQ, England.

Date and place of issue person

Värnamo 1996-01-10

Name and signature of authorized


Sigvard Nilsson

Position

Development Manager

DÉCLARATION DE CONFORMITÉ

Nom, adresse, n° téléphone/télocopie du fabricant

Peltor AB

Box 2341

SE-331 02 Värnamo, Suède

Tél. +46 (0)370 69 42 00, Fax +46 (0)370 151 30

déclare que le nouveau PPE décrit ci-après

Protection oculaire, Peltor V1B STIHL 0000 884 0186

est conforme aux dispositions de la directive européenne 89/686/CEE, et lorsque c'est le cas à la norme nationale transposant la norme harmonisée n° prEN1731

est identique à la PPE qui est l'objet du certificat UE de conformité n° 364 délivré par INSPEC Certification Ltd, The Buckland Wharf, Buckland Wharf, Aylesbury, Bucks, HP22 5LQ, Angleterre.

Date et lieu de délivrance

Värnamo, le 10 janvier 1996

Nom et signature de la personne autorisée


Sigvard Nilsson

Titre

Directeur Développement