

Test report

3M™ PELTOR™ Head Protection Combination “H700 with Optime 1 and V4”



Owner of test certificate

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KWF- Approval for Standard Ap-
parel: June 2017
Valid for: 5 years
(extension possible)

Test No. 8001

Application field:

This head protection combination is designed for occasional, non-permanent work in easy terrain, also on forest roads for tasks such as private firewood production, road maintenance, horticulture and agriculture, etc..

The combination was worn for a total of 662 working days by several test persons.

Test results for the combination:

Test item	Test results	Evaluation
➤ Comfort of complete combination	Most test persons described the helmet as very comfortable. Balance was good, although some test persons noted a tendency for the helmet to slip. The helmet is easy to handle. According to some, the sweatband was inadequate, did not fulfil its task, irritated the skin and should be exchanged. The ventilation is inadequate for permanent use.	+ / O
➤ Comfort of the ear defenders	The noise dampening of the ear defenders and the contact pressure were highly praised and described as the outstanding feature of this combination.	+ / ++
➤ Comfort of visor	The visor protects the wearer well against saw dust, needles etc. The frame is tough and fits close to the helmet. However the wire mesh visor broke out of the frame in some cases.	+ / O
➤ Durability / care / maintenance	The workmanship and durability of this head protection combination is good. Occasional problems occurred only with the wire mesh visor. The shine of the helmet dulls with time and the colour becomes less conspicuous..	+
Overall impression	In the test the head protection combination proved to be tough with very good noise dampening and excellently balanced. The thermal sensation makes this helmet only suitable for use in the named application fields.	good

+ + = excellent; + = good; o = satisfactory; - = adequate; - - = inadequate

Material / data

Helmet (Type/specifications):

Helmet Peltor H 700
HDPE / ventilation / accessory holes, 4-point-suspension, colour : orange

Service life

The manufacturer recommends a service life of 2 to 5 years "depending on the intensity of the work". The time spent stored in the store can therefore be neglected. The KWF draws attention to the difficulties in verifying correct storage conditions , correct use and the date of the beginning of the service.

Ear defenders (Type/specifications):

Earmuffs, Optime I
Attenuation_(HML) M [dB(A)]= 23 dB(A),
suitable for daily exposure values \leq 103 dB(A)

Visor (Type/specifications):

V4BK,V4CK,V4JK SV.

Weight of head protection combination:

approx. 660 g

Test

Responsible test engineer

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End of test period: June 2017

Test number: 8001

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