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|  | E/ECE/324/Rev.1/Add.18/Rev.7/Amend.3−E/ECE/TRANS/505/Rev.1/Add.18/Rev.7/Amend.3 |
|  |  | 9 November 2015 |

 Agreement

 Concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions[[1]](#footnote-2)\*

(Revision 2, including the amendments which entered into force on 16 October 1995)

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 Addendum 18 – Regulation No. 19

 Revision 7 - Amendment 3

Supplement 8 to the 04 series of amendments – Date of entry into force: 8 October 2015

 Uniform provisions concerning the approval of power-driven vehicle front fog lamps

This document is meant purely as documentation tool. The authentic and legal binding text is:

ECE/TRANS/WP.29/2015/16.

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**UNITED NATIONS**

*Insert a new paragraph 3.5.3.*, to read:

"3.5.3. If the LED module(s) are non-replaceable, the markings for LED module(s) are not required."

*Annex 1,*

*Item 10.3.,* amend to read:

"10.3. LED module(s): yes/no2 and for each LED module a statement whether it is replaceable or not: yes/no2 "

*Annex 5,*

*Paragraph 1.2.1.1.,* amend to read;

"1.2.1.1. Test mixture

1.2.1.1.1. For front fog lamps with the outside lens in glass:

 The mixture of water and a polluting agent to be applied to the front fog lamp shall be composed of:

(a) 9 parts by weight of silica sand with a particle size of 0-100 µm,

(b) 1 part by weight of vegetal carbon dust produced from beech wood with a particle size of 0‑100 µm,

(c) 0.2 part by weight of NaCMC4,

(d) 5 parts by weight of sodium chloride (pure at 99 per cent), and

(e) An appropriate quantity of distilled water with a conductivity of S < l µS/m.

 The mixture must not be more than 14 days old.

1.2.1.1.2. For front fog lamp with outside lens in plastic material:

 The mixture of water and polluting agent to be applied to the front fog lamp shall be composed of:

(a) 9 parts by weight of silica sand with a particle size of 0‑100 µm,

(b) 1 part by weight of vegetal carbon dust produced from beech wood with a particle size of 0‑100 µm,

(c) 0.2 part by weight of NaCMC4,

(d) 5 parts by weight of sodium chloride (pure at 99 per cent),

(e) 13 parts by weight of distilled water with a conductivity of S < 1 µS/m, and

(f) 2 ± 1 parts by weight of surface-actant.5

 The mixture must not be more than 14 days old."

*Annex 12,*

*Paragraph 4.6.,* amend to read:

"4.6. UV-radiation

 The UV-radiation of a low-UV-type LED module or light-generator shall be such that:

 ……………

(For definitions of the other symbols see paragraph 4.5.1. above)

 This value shall be calculated using intervals of one nanometre. The UV-radiation shall be weighted according to the values as indicated in the UV table below.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *λ* | *S(λ)* |  | *λ* | *S(λ)* |  | *λ* | *S(λ)* |
| 250 | 0.430 |  | 305 | 0.060 |  | 355 | 0.000 16 |
| 255 | 0.520 |  | 310 | 0.015 |  | 360 | 0.000 13 |
| 260 | 0.650 |  | 315 | 0.003 |  | 365 | 0.000 11 |
| 265 | 0.810 |  | 320 | 0.001 |  | 370 | 0.000 09 |
| 270 | 1.000 |  | 325 | 0.000 50 |  | 375 | 0.000 077 |
| 275 | 0.960 |  | 330 | 0.000 41 |  | 380 | 0.000 064 |
| 280 | 0.880 |  | 335 | 0.000 34 |  | 385 | 0.000 053 |
| 285 | 0.770 |  | 340 | 0.000 28 |  | 390 | 0.000 044 |
| 290 | 0.640 |  | 345 | 0.000 24 |  | 395 | 0.000 036 |
| 295 | 0.540 |  | 350 | 0.000 20 |  | 400 | 0.000 030 |
| 300 | 0.300 |  |  |  |  |  |  |

 UV Table

 Values according to …………………….. other values should be interpolated."

*Paragraph 4.7.2.,* amend to read:

"4.7.2. Colour

 The colour of the light emitted, measured after 1 minute and measured after photometric stability has been obtained, as described in paragraph 4.7.1.3. of this annex, shall be within the required colour boundaries in both instances."

1. \* Former title of the Agreement: Agreement Concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, done at Geneva on 20 March 1958. [↑](#footnote-ref-2)