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## ANNEX

| Identi-<br>fication<br>number<br>of the<br>additive                                                                   | Name of the<br>additive | Composition, chemical formula,<br>description, analytical method                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Species or<br>category<br>of animal | Maximum<br>age | Minimum<br>content                                                                                       | Maximum<br>content | Other provisions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | End of<br>period of<br>authorisa-<br>tion                                                                       |
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|                                                                                                                       |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                | mg active substance<br>(expressed as carminic<br>acid)/kg complete feed<br>with 12 % moisture<br>content |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                 |
| Category: sensory additives. Functional group: colourants: (i) substances that add or restore colour in feedingstuffs |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                |                                                                                                          |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                 |
| 2a120                                                                                                                 | Carmine                 | <b>Additive composition</b><br>Preparation of aluminium chelates of<br>carminic acid (with a minimum of 50% of<br>carminic acid) with a carminic acid content<br>of 47,5-52,5 %, and a moisture content ≤<br>10 %<br><br>Solid form<br><br>Total ash ≤ 12%<br><br>Matter insoluble in dilute ammonia ≤ 1%<br><br><b>Characterisation of the active substance</b><br>Carminic acid ≥ 90% extracted from dried<br>female insects of the species <i>Dactylopius<br/>coccus</i> Costa (cochineal) by aqueous<br>extraction | Cats                                |                |                                                                                                          | 110                | 1. In the directions for use of the<br>additive and premixtures, the<br>storage conditions and stability<br>to heat treatment shall be<br>indicated.<br>2. The name of the additive and<br>its identification number shall<br>be listed on the label of feed<br>materials and compound feed.<br>3. For users of the additive and<br>premixtures, feed business<br>operators shall establish<br>operational procedures and<br>organisational measures to<br>address potential risks resulting<br>from their use. Where those<br>risks cannot be eliminated by<br>such procedures and measures,<br>the additive and premixtures | [10 years<br>from the date<br>of entry into<br>force of this<br>Regulation.<br>To be<br>completed by<br>the OP] |
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|  |  | <p>Ethanol <math>\leq 20</math> mg/kg</p> <p>Methanol <math>\leq 10</math> mg/kg</p> <p>4-aminocarminic acid <math>\leq 3</math> % relative to carminic acid</p> <p>Chemical formula: C<sub>22</sub>H<sub>20</sub>O<sub>13</sub></p> <p>CAS No: 1260-17-9</p> <p><b>Analytical method</b></p> <p>For the determination of carmine (as carminic acid) in the feed additive:</p> <ul style="list-style-type: none"> <li>- Spectrophotometry (Food Chemical Codex “Carmine monograph”)</li> </ul> <p>For the determination of carmine (as carminic acid) in compound feed:</p> <ul style="list-style-type: none"> <li>- High performance liquid chromatography with ultraviolet-visible detection (HPLC-UV/VIS)</li> </ul> |  |  |  |  | shall be used with personal skin, eye and breathing protective equipment. |  |
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