

EN

ANNEX

| Identification number of the additive | Name of the additive | Composition, chemical formula, description, analytical method. | Species or category of animal | Maximum age | Minimum content | Maximum content | Other provisions | End of period of authorisation |
|---|------------------------|---|-------------------------------|-------------|--|-----------------|---|---|
| | | | | | mg active substance/kg of complete feed with a moisture content of 12% | | | |
| Category: Sensory additives. Functional group: Flavouring compounds | | | | | | | | |
| 2b316-eo | Marjoram essential oil | Additive composition Essential oil from dried leaves of <i>Origanum majorana</i> L. Liquid form Characterisation of the active substance Marjoram essential oil: Essential oil, as defined by the Council of Europe ¹ , obtained from the dried leaves of <i>Origanum majorana</i> L. by steam distillation | All animal species | - | - | 10 | <div>1. The additive shall be incorporated into the feed in the form of a premixture.</div> <div>2. In the directions for use of the additive and premixtures, the storage conditions and the stability to heat treatment shall be indicated.</div> <div>3. Simultaneous use of marjoram essential oil with other feed additives is</div> | [10 years from the date of entry into force of this Regulation. To be completed by the OP.] |

¹ Natural sources of flavourings - Report No. 2 (2007).

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| | | <p>and further condensation of volatile constituents and separation from the aqueous phase by decantation. Volatile fraction mixing may be used to achieve a specification.</p> <p>EC numbers: 616-955-7/ 616-979-8/ 282-004-4² CAS number: 8015-01-8/ 8016-33-9 FEMA number: 2663 CoE number: 316</p> <p><u>Specifications</u> 4-Terpinenol: 14 - 32% γ-Terpinene: 11 - 18 % α-Terpinene: 6 - 12 % Sabinene (4(10)-thujene): 4 - 10% <i>trans</i>-Sabinene hydrate: 1,5 - 7,5 % α-Terpineol: 1 - 5 % Estragole: $\leq 0,29$ % Myristicin: $\leq 0,001$%</p> <p>Analytical method³</p> <p>For the determination of 4-terpinenol and α-terpineol (phytochemical markers) in the feed additive:</p> | | | | | <p>permitted provided that the combined content of <i>p</i>-allylalkoxybenzenes (methyleugenol, estragole, elemicin, safrole, myristicin, dillapiole, and apiole) in feed materials and compound feed remains below the content that would result from using the authorised feed additive with the highest content of those substances at its maximum or recommended maximum content for the relevant animal species or category.</p> <p>4. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and</p> | |
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² Here it only refers to the marjoram essential oil from dried leaves of *Origanum majorana* L.

³ Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

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| | | - Gas chromatography coupled with flame ionisation detection (GC-FID) | | | | | premixtures shall be used with personal skin, eye and breathing protective equipment. | |
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