

ANNEX

Identification number of the additive	Name of the holder of authorisation	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 additive/kg of complete feed with a moisture content of 12%			
Category: zootechnical additives. Functional group: other zootechnical additives (improvement of performance parameters)									
4d11	ADM International Sarl, represented in the Union by ADM Specialty Ingredients (Europe) B.V.	Preparation of carvacrol, cinnamaldehyde and capsicum oleoresin	Additive composition Preparation of carvacrol, cinnamaldehyde, capsicum oleoresin having a content of: - carvacrol ⁽¹⁾ 4,5% - 5,5% - cinnamaldehyde ⁽¹⁾ 2,7% - 3,3% - capsicum oleoresin ⁽²⁾ ≥ 2% (with a content of the sum of capsaicin and dihydrocapsaicin 0,11%-0,15%) Solid form. Characterisation of the active substance - carvacrol (≥ 98% purity), C₁₀H₁₄O, CAS number: 499-75-2 - cinnamaldehyde (≥ 98% purity), C₉H₈O, CAS number: 104-55-2	Chickens for fattening	-	100	100	1. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 2. The additive shall not be used with other sources of carvacrol, cinnamaldehyde, capsaicin and dihydrocapsaicin. 3. 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 premixtures shall be used with personal breathing, eye and skin protective equipment.	[10 years from the date of entry into force of this Regulation. To be completed by the Service responsible for the publication]

⁽¹⁾ JECFA Online Edition: "Specifications for Flavourings". <https://www.fao.org/food/food-safety-quality/scientific-advice/jecfa/jecfa-flav/en/>.

⁽²⁾ Oleoresin obtained by solvent extraction of the dried pods of Indian red chillies (*Capsicum annum* or *C. frutescens*).

			- capsicum oleoresin with a content of the sum of capsaicin and dihydrocapsaicin 6% - 7% Analytical methods ⁽³⁾ For the quantification of carvacrol, cinnamaldehyde, capsaicin and dihydrocapsaicin in the feed additive: Gas Chromatography with Flame Ionisation Detection (GC-FID)						
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⁽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