

EN

ANNEX

Identi- fication 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 authorisa- tion
					mg of additive/kg of complete feed with a moisture content of 12%			
Category: Sensory additives. Functional group: Flavouring compounds								
2b456-eo	Thyme essential oil	Additive composition Essential oil from the flowering aerial parts of <i>Thymus vulgaris</i> L. and/or <i>Thymus zygis</i> L. Liquid form Characterisation of active substance Thyme essential oil: Essential oil, as defined by the Council of Europe (CoE) ¹ , obtained from the fresh flowering aerial parts of <i>Thymus vulgaris</i> L. and/or <i>Thymus zygis</i> L. by steam distillation and further	Turkeys for fattening	-	-	64	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. The additive shall not be used with other sources of thymol. 4. For users of the additive and premixtures, feed business operators shall establish operational procedures and	[to be completed by the OP. insert precise date 10 years from the date of entry into force of this Regulation]
			Chickens for fattening and minor poultry for fattening	-	-	48		

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

condensation of volatile constituents and separation from the aqueous phase by decantation.

EC numbers: 284-535-7²/ 285-397-0³
CAS numbers: 8007-46-3²/ 84929-51-1²/
85085-75-2³

FEMA numbers: 3064/3065

CoE numbers: 456/457

Specifications

Thymol: 35-60 %

p-Cymene (1-isopropyl-4-methylbenzene): 13-28 %

γ -Terpinene: 4-13 %

Linalool: 0,5-6,5 %

Camphor: maximum 0,7 %

Analytical method ⁽⁴⁾

For the determination of thymol (phytochemical marker) in the feed additive:

All poultry reared for laying or breeding	-	-	48
Ornamental birds	-	-	48
All poultry for laying and breeding	-	-	72
Pigs for fattening	-	-	100
Pigs for fattening of minor <i>Suidae</i>	-	-	86
Piglets (suckling and weaned) of all <i>Suidae</i>	-	-	86
All <i>Suidae</i> for reproduction	-	-	100
Calves for fattening	6 months	-	100
Sheep and goats	-	-	100

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 skin, eye and breathing protective equipment.

² Here it only refers to thyme essential oil from the flowering aerial parts of *Thymus vulgaris* L.

³ Here it only refers to thyme essential oil from the flowering aerial parts of *Thymus zygis* L.

⁴ 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.

	-	Gas chromatography coupled with flame ionisation detection (GC-FID) (ISO 19817)	Cattle for fattening; other ruminants for fattening except sheep, goats and calves for fattening up to 6 months old; <i>Camelidae</i> for fattening	-	-	100
			All other ruminants; all other <i>Camelidae</i>	-	-	100
			<i>Equidae</i>	-	-	100
			<i>Leporidae</i>	-	-	76
			Salmonids and minor fin fish	-	-	100
			Dogs	-	-	100
			Cats	-	-	38
			Ornamental fish	-	-	100
			Other species and categories	-	-	38