Commission Regulation (EC) No 2316/98 of 26 October 1998 concerning authorisation of new additives and amending the conditions for authorisation of a number of additives already authorised in feedingstuffs (Text with EEA relevance)

COMMISSION REGULATION (EC) No 2316/98

of 26 October 1998

concerning authorisation of new additives and amending the conditions for authorisation of a number of additives already authorised in feedingstuffs

(Text with EEA relevance)

Article 1

1 Beta-carotene, belonging to Part 1 'Carotenoids and xanthophylls' of the group 'Colouring matters including pigments', may be authorised in accordance with Directive 70/524/EEC as additive E 160a in feedingstuffs under the conditions laid down in Annex I to this Regulation.

2 Astaxanthin-rich *Phaffia rhodozyma* (ATCC 74219), belonging to Part 1 'Carotenoids and xanthophylls' of the group 'Colouring matters including pigments', may be authorised in accordance with Directive 70/524/EEC as additive 12 in feedingstuffs under the conditions laid down in Annex I to this Regulation.

3 The substance 'cupric chelate of amino acids hydrate', belonging to the group 'Trace elements', element E4 'Copper-Cu', shall be authorised in accordance with Directive 70/524/ EEC as an additive in feedingstuffs under the conditions laid down in Annex II to this Regulation.

4 The substance 'manganese chelate of amino hydrate', belonging to the group 'Trace elements', element E5 'Manganese-Mn', shall be authorised in accordance with Directive 70/524/EEC as an additive in feedingstuffs under the conditions laid down in Annex II to this Regulation.

5 The substance 'zinc chelate of amino acids hydrate', belonging to the group 'Trace elements', element E6 'Zinc-Zn', shall be authorised in accordance with Directive 70/524/EEC as an additive in feedingstuffs under the conditions laid down in Annex II to this Regulation.

Article 2

1 The conditions for authorisation of the additive E 324 Ethoxyquin, belonging to the group 'Antioxidants', shall be replaced in accordance with Directive 70/524/EEC by the conditions laid down in Annex III to this Regulation.

2 Additive E161g Canthaxanthin, belonging to Part 1 'Carotenoids and xanthophylls' of the group 'Colouring matters including pigments' for the category of 'Pet and ornamental birds', may be authorised in accordance with Directive 70/524/EEC under the conditions laid down in Annex I to this Regulation.

3 Additive 3-phytase (EC 3.1.3.8), belonging to the group 'Enzymes', may be authorised in accordance with Directive 70/524/EEC under the conditions laid down in Annex IV to this Regulation.

4 Additive 11, Astaxanthin-rich *Phaffia rhodozyma*, belonging to Part 1 'Carotenoids and xanthophylls' of the group 'Colouring matters including pigments' for the category of animal 'Salmon, trout', may be authorised in accordance with Directive 70/524/EEC under the conditions laid down in Annex I to this Regulation.

Article 3

This Regulation shall enter into force on the 20th day following its publication in the *Official Journal of the European Communities*.

It shall apply from 15 December 1998.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

ANNEX I

No	EC No	Additive ChemicaSpecies formula, or		age content		nt content	u to ther provisio	Duration onsf	
			descrip	ti on tegor of animal	y	mg/kg comp feedin			authorisatio
		Colourin matters including pigments 1.	g Caroteno	oids					
			and xanthopl	nylls					
	E 160a	Beta- carotene	$C_{40}H_{56}$	Canaries		—	—		30.9.1999
	E 160c	Capsantl	۱ӥ ₄₀ H ₅₆ O	₃ Poultry			80 (alone or with the other carotenoi and xanthoph		Without a time limit
	E 160e	Beta- apo-8'- carotena	C ₃₀ H ₄₀ O	Poultry			80 (alone or with the other caroteno and xanthoph		Without a time limit
	E 160f	Ethyl ester of beta- apo-8'- caroteno acid	C ₃₂ H ₄₄ O	2Poultry			80 (alone or with the other carotenoi and xanthoph		Without a time limit
	E 161b	Lutein	C ₄₀ H ₅₆ O	₂ Poultry			80 (alone or with the other carotenoi and xantho- phylls)	ids	Without a time limit

E 1610	CryptoxafithiH ₅₆ C	Poultry	 	80 (alone or with the other caroteno and xantho- phylls)	ids	Without a time limit
E 16lg	Canthaxa6thH ₅₂ C	2Poultry	 	80 (alone or with the other caroteno and xantho- phylls)	ids	Without a time limit
		Salmon, trout		80	Use permitted from the age of six months onwards The mixture of canthaxa with astaxanth is allowed provided that the total concentr of the mixture does not exceed 100 mg/ kg in the completed feedings	limit nthin nin ation
		Dogs, cats and	 			Without a time limit

		ornamen fish	tal				
		Pet and ornamen birds	 tal	_			30.9.1999
E 161h	Zeaxanthíñ ₄₀ H ₅₆ (D ₂ Poultry			80 (alone or with the other caroteno and xanthoph		Without a time limit
E 16li	Citranaxa6thhh ₄₄ 0	D Laying hens			80 (alone or with the other caroteno and xanthoph		Without a time limit
E 161j	Astaxantlûq ₀ H ₅₂ (D₄Salmon, trout			100	Use only permitted from the age of six months onwards The mixture of astaxanth with canthaxa is allowed provided that the total concentr of the mixture does not exceed 100 mg/ kg in the	nin nthin ation

Status: Point in time view as at 19/07/2017.

Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EC) No 2316/98. (See end of Document for details)

					complete feedingstuff
		Ornamen tal fish	—		— Without a time limit
11	Astaxanthioncen rich biomas Phaffia of the rhodozymyæast (CBS Phaffia 116.94) rhodozy (CBS 116.94) killed, contain at least 2,5 g astaxan per kilogra additive	s trout		100	The 21.4.1999 maximum content is expressed as astaxanthin Use only permitted from the age of six months onwards The mixture of the additive with canthaxanthin is allowed provided that the total concentration of astaxanthin and canthaxanthin does not exceed 100 mg/ kg in the complete feedingstuff
12	Astaxanthioncen rich biomas <i>Phaffia</i> of the <i>rhodozymy</i> east (ATCC <i>Phaffia</i> 74219) <i>rhodoz</i>	s trout	_	100	The 30.9.1999 maximum content is expressed as
	74219) rhodozy (ATCC	vma			as astaxanthin

	74219),			Use
	killed,			permitted
	containing			only
	at least			from
	4,0 g			the age
	astaxanthin			of six
	per			months
	kilogram			onwards
	of			The
	additive			mixture
	and			of the
	having			additive
	a			with
	maximum			canthaxanthin
	ethoxyquin			is
	content			allowed
	of 2			provided
	000 mg/			that the
	kg			total
				concentration
				of
				astaxanthin
				and
				canthaxanthin
				does
				not
				exceed
				100 mg/
				kg in
				the
				complete
				feedingstuff
				Ethoxyquin
				content
				to be
				declared
		1	1	

ANNEX II

EC No	Element	Additive	Chemical formula	Maximum content of the element in mg/ kg of the complete feedingstuff	Other provisions	Duration of authorisation
E4	Copper-Cu	Cupric acetate, monohydrate	Cu(CH ₃ COC . H ₂ O	Bigs for fattening:	_	Without a time limit

Basic cupric	$CuCO_3$. $Cu(OH)_2$.	in Member States	—	Without a time limi
carbonate,	H ₂ O	where		
monohydrate		the mean		
•		density of		W7:41 4
Cupric	$CuCl_2$.	the porcine	_	Without a time limi
chloride,	$2H_2O$	population		time iimi
dihydrate		is equal to		
[^{F1}]		or higher than 175		
Cupric	CuO	pigs per		Without a
oxide		100 ha of		time limi
Cumria	CuSO	utilisable		Without a
Cupric	CuSO ₄ .	agricultural		time limi
sulphate, pentahydrate	5H ₂ O	land:		time inin
pentanyurate		— up		
		to		
		16		
			eks:	
		17.		
			tal)	
		- fro		
		17		
		we		
		up		
		to	ughter:	
		35		
			tal)	
		in Member	(11)	
		States		
		where		
		the mean		
		density of		
		the porcine		
		population		
		is lower		
		than 175		
		pigs per		
		100 ha of		
		utilisable		
		agricultural		
		land:		
		— up		
		to		
		16		
			eks:	
		17.		
			tal)	
		- fro		
		17		
		we		

		Breeding pigs: 35 (total) Calves:	100 (tot ove six mo up to slat 35 (tot mil rep 30 (tot oth con feet 50 (tot s s: s: s: s:	al) r nths ughter: al) k lacers: al) er nplete dingstuffs	3:	
Cupric sulphate, monohydrate Cupric sulphate, pentahydrate	CuSO ₄ . H ₂ O CuSO ₄ . 5H ₂ O	Pigs for fattening: in Member States where the mean density of the porcin populatio is equal to or higher than 175 pigs per 100 ha of utilisable agricultur land:	f ne n o	Denature skimmed milk powder a compour feedingst manufac from denature skimmed milk powder	and and tuffs ture d to the rela pro of	d ject

1	6	Regulations
		(EĔC)
	75	No 368/77
	•	and
		(EEC)
		No 443/77
		declaration
u]	•	of
to		the
sl		amount
3:	5	of
(t	otal)	copper
in Member		added,
States		expressed
where		as
the mean		the
density of		element,
the porcine		on the
population		
is lower		label
than 175		or
pigs per		package
100 ha of		or
utilisable		container
agricultura	1	of
land:		denatured
— u		skimmed
to		milk
1		powder
	veeks:	
	75	
	otal)	
	om	
	7th	
	veek	
u]		
to		
6		
	nonths:	
	00	
(t	otal)	
— O	ver	
si	ix	
n	nonths	
u		
to		
	aughter:	
3		
	otal)	
	Juli	
Breeding		
pigs: 35		
(total)		

		Ovines: 15 (total) Other species or categories of animals with the exception of calves: 35 (total)		
Cupric chelate of amino acids hydrate	Cu (x) ₁₋₃ . nH ₂ O (x = anion of any amino acid derived from hydrolysed soya protein) Molecular weight not exceeding 1 500	- fro 17t we up to slar 35	tal) m h	Without a time limit

				175 (to) fro 17t we up to six mo 100 (to) ove six mo 100 (to) ove six mo up to slai 35 (total) Other species or categories of animals, with the exception of calves prior to the start of rumination and sheep: 35 (total)	tal) m h ek nths: tal) tr nths ughter: tal)	
E5	Manganese- Mn	[^{F1} Manganou carbonate]	ı ∮^{F1}MnCO 3]	[^{F1} 250 (total)]	[^{F1}]	[^{F1} Without a time limit]
		Manganous chloride, tetrahydrate	MnCl ₂ . 4H ₂ O	250 (total)	—	Without a time limit
		[^{F1}]	1			
		Manganous oxide	MnO	250 (total)		Without a time limit

		[^{F1}]								
		[^{F1}]								
		Manganous sulphate, monohydrate	MnSO ₄ . H ₂ O	250 (total)	_	Without a time limit				
		Manganese chelate of amino acids hydrate	$\begin{array}{l} Mn \ (x)_{1-3} \ . \\ nH_2O \\ (x = anion \\ of \ any \\ amino \ acid \\ derived \\ from \\ hydrolysed \\ soya \\ protein) \\ Molecular \\ weight \ not \\ exceeding \ 1 \\ 500 \end{array}$	250 (total)	Not more than 40 mg/ kg of manganese in the complete feedingstuff may come from manganese chelate of amino acids hydrate	Without a time limit				
E6 Zinc-	Zinc-Zn	[^{F1} Zinc lactate, trihydrate]	[^{F1} Zn(C ₃ H ₅ C 3H ₂ O]	$\left[\frac{1}{2} \right]_{2}^{F1} 250$ (total)]	[^{F1} —]	[^{F1} Without a time limit]				
		Zinc acetate, dihydrate	Zn(CH ₃ COC . 2H ₂ O) <u>2</u> 50 (total)	_	Without a time limit				
		[^{F1}]	[^{F1}]							
		[^{F1}]								
		Zinc oxide	ZnO	250 (total)	Maximum content of lead: 600 mg/kg	Without a time limit				
		Zinc sulphate, heptahydrate	ZnSO ₄ . 7H ₂ O	250 (total)	_	Without a time limit				
		Zinc sulphate, monohydrate	ZnSO ₄ . H ₂ O	250 (total)	_	Without a time limit				
		Zinc chelate of amino acids hydrate	Zn (x) ₁₋₃ . nH ₂ O (x = anion of any amino acid derived from hydrolysed	250 (total)	Not more than 80 mg/ kg of zinc in the complete feedingstuff may come from zinc chelate of	Without a time limit				

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	soya protein) Molecular weight not exceeding 1 500		mino acids ydrate	
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Textual Amendments

F1 Deleted by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 on the withdrawal from the market of certain feed additives authorised pursuant to Council Directives 70/524/EEC and 82/471/EEC and repealing the obsolete provisions authorising those feed additives (Text with EEA relevance).

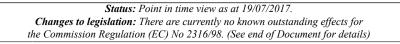
ANNEX III

EC No	Additive	Chemica formula descript		age	mMinimu content mg/ kg of completo feedings	content	mOther provisio	Duration nsof authorisation									
E 320	Butylated hydroxya (BHA)	C ₁₁ H ₁₆ O ₂ nisole	species or			150: alone or together	All feedingstu	Without a tits ime limit									
E 321	Butylated hydroxyte (BHT)	C ₁₅ H ₂₄ O oluene	categories of animals except	•													
E 324	Ethoxyqu	i£ ₁₄ H ₁₉ O1	▲		—												
E 320	Butylated hydroxya (BHA)	C ₁₁ H ₁₆ O ₂ nisole	Dogs			150: alone or together	The mixture of ethoxyqui with BHA and/or BHT is allowed provided the total concentra of the mixture does not exceed 150 mg/ kg of	Without a time limit									
E 321	Butylated hydroxyto (BHT)	C ₁₅ H ₂₄ O oluene	1			•		with BHA	n								
E 324	Ethoxyqu	i£ ₁₄ H ₁₉ ON	JDogs			100		tion									

				complete feedingstu	

ANNEX IV

No	Additive	Chemical Species		Maximu	Duration		
		formula, descripti	, or io c ategory of animal	age	activity Unit of activity per kg of complete feedings	provisio	nsof authorisatio
1	phytase activity of 5 000 FTU ^a /g for solid and liquid	ase of $\hat{3}$ -phytase	categories of			 	21.4.1999
		Chickens (all categories of animals)			 	21.4.1999	
		animals) having a minimum phytase activity of 5 000 FTU ^a /g for solid and		125 FTU	2.	30.9.1999 Indicate in the directions for use for the additive and the premixture the storage temperature, storage duration and stability on pelleting Recommended dose per	



									kg of complete feedingstuff: 200-800 FTU	
								3.	For	
									use	
									in	
									compound	
									feedingstuffs	
									with	
									a 	
									minimum content	
									of	
									0,3 %	
									phytate,	
									e.g.	
									20%	
									wheat	
a i	a 1 FTU is the amount of enzyme which liberates 1 micromole of inorganic phosphate per minute from sodium phytate at pH 5,5 and 37 °C.									

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