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► **B** **COMMISSION REGULATION (EC) No 1334/2003**
of 25 July 2003
amending the conditions for authorisation of a number of additives in feedingstuffs belonging to
the group of trace elements
(OJ L 187, 26.7.2003, p. 11)

Amended by:

		Official Journal		
		No	page	date
► <u>M1</u>	Commission Regulation (EC) No 2112/2003 of 1 December 2003	L 317	22	2.12.2003
► <u>M2</u>	Commission Regulation (EC) No 1980/2005 of 5 December 2005	L 318	3	6.12.2005
► <u>M3</u>	Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013	L 172	14	25.6.2013
► <u>M4</u>	amended by Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014	L 41	3	12.2.2014
► <u>M5</u>	Commission Implementing Regulation (EU) No 107/2014 of 5 February 2014	L 36	7	6.2.2014
► <u>M6</u>	Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016	L 182	7	7.7.2016

Corrected by:

- **C1** Corrigendum, OJ L 14, 21.1.2004, p. 54 (1334/2003)

**COMMISSION REGULATION (EC) No 1334/2003****of 25 July 2003****amending the conditions for authorisation of a number of additives
in feedingstuffs belonging to the group of trace elements***Article 1*

The conditions for the authorisation of the additives E1 Iron-Fe, E3 Cobalt-Co, E4 Copper-Cu, E5 Manganese-Mn and E6 Zinc-Zn belonging to the group 'trace elements' ⁽¹⁾, are hereby replaced by those set out in the Annex hereto in accordance with Directive 70/524/EEC.

Article 2

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

It shall apply from 26 January 2004. However, existing stocks of feedingstuffs labelled according to the previous conditions established in accordance with Directive 70/524/EEC may be used during a transitional period expiring 26 April 2004.

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

⁽¹⁾ The list of authorised additives, including trace elements, is published in OJ C 329/1, 31.12.2002, as amended by Regulation (EC) No 871/2003 (L 123, 21.5.2003, p. 3).

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ANNEX

EEC No	Element	Additive	Chemical formula and description	► <u>C1</u> Maximum content of the element in mg/kg of the complete feedingstuff ◀	Other provisions	Period of authorisation
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▼ M1

Trace elements

E 1	Iron-Fe	Ferrous carbonate	FeCO ₃	Ovine: 500 (total) mg/kg of the complete feedingstuff Pet animals: 1 250 (total) mg/kg of the complete feedingstuff Pigs: — piglets up to one week before weaning: 250 mg/day — other pigs: 750 (total) mg/kg of the complete feedingstuff Other species: 750 (total) mg/kg of the complete feedingstuff		Without a time limit
		Ferrous chloride, tetrahydrate	FeCl ₂ · 4H ₂ O			
		Ferric chloride, hexahydrate	FeCl ₃ · 6H ₂ O			
		Ferrous citrate, hexahydrate	Fe ₃ (C ₆ H ₅ O ₇) ₂ · 6H ₂ O			
		Ferrous fumarate	FeC ₄ H ₂ O ₄			
		Ferrous lactate, trihydrate	Fe(C ₃ H ₅ O ₃) ₂ · 3H ₂ O			
		Ferric oxide	Fe ₂ O ₃			
		Ferrous sulphate, monohydrate	FeSO ₄ H ₂ O			
		Ferrous sulphate, heptahydrate	FeSO ₄ · 7H ₂ O			
		Ferrous chelate of amino acids, hydrate	Fe(x) ₁₋₃ · nH ₂ O (x = anion of any amino acid derived from hydrolysed soya protein) Molecular weight not exceeding 1 500			
E 3	Cobalt-Co	► <u>M3</u> ► <u>M4</u> ——— ◀ ◀	Co(CH ₃ COO) ₂ ·4H ₂ O	► <u>C1</u> 2 (total) mg/kg of the complete feedingstuff ◀	—	Without a time limit
		► <u>M3</u> ► <u>M4</u> ——— ◀ ◀	2CoCO ₃ ·3Co(OH) ₂ ·H ₂ O			

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EEC No	Element	Additive	Chemical formula and description	► C1 Maximum content of the element in mg/kg of the complete feedingstuff ◀	Other provisions	Period of authorisation
		► M5 ——— ◀	CoCl ₂ ·6H ₂ O			
		► M3 ► M4 ——— ◀ ◀	CoSO ₄ ·7H ₂ O			
		► M5 ——— ◀	CoSO ₄ ·H ₂ O			
		► M5 ——— ◀	Co(NO ₃) ₂ ·6H ₂ O			
E 4	Copper-Cu	Cupric acetate, monohydrate	Cu(CH ₃ COO) ₂ ·H ₂ O	Pigs — piglets up to 12 weeks: 170 (total) — other pigs: 25 (total)	The following declarations shall be inserted in the labelling and accompanying documents: — For sheep: Where the level of copper in feedingstuffs exceeds 10 mg/kg: 'the level of copper in this feedingstuff may cause poisoning in certain breeds of sheep.' — For bovines after the start of rumination: Where the level of copper in feedingstuffs is less than 20 mg/kg: 'the level of copper in this feedingstuff may cause copper deficiencies in cattle grazing pastures with high contents of molybdenum or sulphur.'	Without a time limit
	Basic cupric carbonate, monohydrate	CuCO ₃ ·Cu(OH) ₂ ·H ₂ O	Bovine 1. — bovine before the start of rumination: — milk replacers: 15 (total) — other complete feedingstuffs: 15 (total).			
	Cupric chloride, dihydrate	CuCl ₂ ·2H ₂ O	2. — other bovine: 35 (total).			
	Cupric methionate	Cu(C ₅ H ₁₀ NO ₂ S) ₂	Ovine: 15 (total)			
	Cupric oxide	CuO	Fish: 25 (total)			
	Cupric sulphate, pentahydrate	CuSO ₄ ·5H ₂ O	Crustaceans: 50 (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.	Other species: 25 (total)			
	Copperlysine sulphate	Cu(C ₆ H ₁₃ N ₂ O ₂) ₂ ·SO ₄				
					31.3.2004 for copperlysine sulphate	

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EEC No	Element	Additive	Chemical formula and description	►C1 Maximum content of the element in mg/kg of the complete feedingstuff ◀	Other provisions	Period of authorisation
E 5	Manganese-Mn	Manganous carbonate	MnCO ₃	Fish: 100 (total) Other species: 150 (total)	—	Without a time limit
		Manganous chloride, tetrahydrate	MnCl ₂ ·4H ₂ O			
		Manganous hydrogen phosphate, trihydrate	MnHPO ₄ ·3H ₂ O			
		Manganous oxide	MnO			
		Manganic oxide	Mn ₂ O ₃			
		Manganous sulphate, tetrahydrate	MnSO ₄ ·4H ₂ O			
		Manganous sulphate, monohydrate	MnSO ₄ ·H ₂ O			
		Manganese chelate of amino acids hydrate	Mn (x) ₁₋₃ · nH ₂ O (x = anion of any amino acid derived from hydrolysed soya protein) Molecular weight not exceeding 1 500.			
	Manganomanganic oxide	MnO Mn ₂ O ₃				
E 6	Zinc-Zn	Zinc lactate, trihydrate	Zn(C ₃ H ₅ O ₃) ₂ ·3H ₂ O	Pet animals: 250 (total) Fish: 200 (total) Milk replacers: 200 (total) Other species: 150 (total)	—	Without a time limit
		►M6 ◀	►M6 ◀			
		Zinc carbonate	ZnCO ₃			
		Zinc chloride, monohydrate	ZnCl ₂ ·H ₂ O			
		►M6 ◀	►M6 ◀			
		►M6 ◀	►M6 ◀			
		►M6 ◀	►M6 ◀			
		►M6 ◀	►M6 ◀			