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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
► <b><u>M1</u></b>	Commission Regulation (EC) No 2112/2003 of 1 December 2003	L 317	22	2.12.2003
► <b><u>M2</u></b>	Commission Regulation (EC) No 1980/2005 of 5 December 2005	L 318	3	6.12.2005
► <b><u>M3</u></b>	Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013	L 172	14	25.6.2013
► <b><u>M4</u></b>	amended by Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014	L 41	3	12.2.2014
► <b><u>M5</u></b>	Commission Implementing Regulation (EU) No 107/2014 of 5 February 2014	L 36	7	6.2.2014
► <b><u>M6</u></b>	Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016	L 182	7	7.7.2016
► <b><u>M7</u></b>	Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017	L 166	1	29.6.2017
► <b><u>M8</u></b>	amended by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018	L 68	3	12.3.2018
► <b><u>M9</u></b>	Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017	L 333	41	15.12.2017

Corrected by:

- **C1** Corrigendum, OJ L 14, 21.1.2004, p. 54 (1334/2003)
- **C2** Corrigendum, OJ L 351, 30.12.2017, p. 202 (2017/2330)

**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' <sup>(1)</sup>, 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.

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<sup>(1)</sup> 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	► <b>C1</b> 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	► <b>M9</b> ► <b>C2</b> ————— ◄ ◄	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
		► <b>M7</b> ► <b>M8</b> ————— ◄ ◄	► <b>M7</b> ► <b>M8</b> ————— ◄ ◄			
		Ferric chloride, hexahydrate	► <b>M9</b> ► <b>C2</b> ————— ◄ ◄			
		► <b>M7</b> ► <b>M8</b> ————— ◄ ◄	► <b>M7</b> ► <b>M8</b> ————— ◄ ◄			
		Ferrous fumarate	► <b>M9</b> ► <b>C2</b> ————— ◄ ◄			
		► <b>M7</b> ► <b>M8</b> ————— ◄ ◄	► <b>M7</b> ► <b>M8</b> ————— ◄ ◄			
		Ferric oxide	► <b>M9</b> ► <b>C2</b> ————— ◄ ◄			
		Ferrous sulphate, monohydrate	► <b>M9</b> ► <b>C2</b> ————— ◄ ◄			
		Ferrous sulphate, heptahydrate	► <b>M9</b> ► <b>C2</b> ————— ◄ ◄			
Ferrous chelate of amino acids, hydrate	► <b>M9</b> ► <b>C2</b> ————— ◄ ◄					
E 3	Cobalt-Co	► <b>M3</b> ► <b>M4</b> ————— ◄ ◄	Co(CH <sub>3</sub> COO) <sub>2</sub> ·4H <sub>2</sub> O	► <b>C1</b> 2 (total) mg/kg of the complete feedingstuff ◄	—	Without a time limit
		► <b>M3</b> ► <b>M4</b> ————— ◄ ◄	2CoCO <sub>3</sub> ·3Co(OH) <sub>2</sub> ·H <sub>2</sub> 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 <sub>2</sub> ·6H <sub>2</sub> O			
		► M3 ► M4 ————— ◀ ◀	CoSO <sub>4</sub> ·7H <sub>2</sub> O			
		► M5 ————— ◀	CoSO <sub>4</sub> ·H <sub>2</sub> O			
		► M5 ————— ◀	Co(NO <sub>3</sub> ) <sub>2</sub> ·6H <sub>2</sub> O			
E 4	Copper-Cu	Cupric acetate, monohydrate	Cu(CH <sub>3</sub> COO) <sub>2</sub> ·H <sub>2</sub> 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 <sub>3</sub> ·Cu(OH) <sub>2</sub> ·H <sub>2</sub> O	Bovine 1. — bovine before the start of rumination: — milk replacers: 15 (total) — other complete feedingstuffs: 15 (total).		
		Cupric chloride, dihydrate	CuCl <sub>2</sub> ·2H <sub>2</sub> O	2. — other bovine: 35 (total).		
		► M7 ————— ◀	► M7 ————— ◀	Ovine: 15 (total)		
		Cupric oxide	CuO	Fish: 25 (total)		
		Cupric sulphate, pentahydrate	CuSO <sub>4</sub> ·5H <sub>2</sub> O	Crustaceans: 50 (total)		
		Cupric chelate of amino acids hydrate	Cu (x) <sub>1.3</sub> · nH <sub>2</sub> 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 <sub>6</sub> H <sub>13</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>2</sub> ·SO <sub>4</sub>		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	► <u>M7</u> ——— ◀	► <u>M7</u> ——— ◀	Fish: 100 (total) Other species: 150 (total)	—	Without a time limit
		Manganous chloride, tetrahydrate	MnCl <sub>2</sub> ·4H <sub>2</sub> O			
		► <u>M7</u> ——— ◀	► <u>M7</u> ——— ◀			
		Manganous oxide	MnO			
		► <u>M7</u> ——— ◀	► <u>M7</u> ——— ◀			
		► <u>M7</u> ——— ◀	► <u>M7</u> ——— ◀			
		Manganous sulphate, monohydrate	MnSO <sub>4</sub> ·H <sub>2</sub> O			
		Manganese chelate of amino acids hydrate	Mn (x) <sub>1-3</sub> · nH <sub>2</sub> O (x = anion of any amino acid derived from hydrolysed soya protein) Molecular weight not exceeding 1 500.			
► <u>M7</u> ——— ◀	► <u>M7</u> ——— ◀					
E 6	Zinc-Zn	► <u>M7</u> ——— ◀	► <u>M7</u> ——— ◀	Pet animals: 250 (total) Fish: 200 (total) Milk replacers: 200 (total) Other species: 150 (total)	—	Without a time limit
		► <u>M6</u> ——— ◀	► <u>M6</u> ——— ◀			
		► <u>M7</u> ——— ◀	► <u>M7</u> ——— ◀			
		► <u>M7</u> ——— ◀	► <u>M7</u> ——— ◀			
		► <u>M6</u> ——— ◀	► <u>M6</u> ——— ◀			
		► <u>M6</u> ——— ◀	► <u>M6</u> ——— ◀			
		► <u>M6</u> ——— ◀	► <u>M6</u> ——— ◀			
		► <u>M6</u> ——— ◀	► <u>M6</u> ——— ◀			