Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EC) No 1353/2000. (See end of Document for details)

# F1ANNEX I

### **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).

ı	ГL	1
ı		ı

## ANNEX II

No(or EC No)	Additive	Chemica formula descript		age	mMinimu content Units of kg of con feedings	content activity/ mplete	mOther provisio	Period nsof authorisation
16	beta-		for fattening ma hiatum		250 CU		2.	30.9.2000 In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting. Recommended dose per kg of

a 1 CU is the amount of enzyme which liberates 0,128 micromoles of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 4,5 and 30 °C.

b 1 EPU is the amount of enzyme which liberates 0,0083 micromoles of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 4,7 and 30 °C.

	CU/ ml		3.	complete feedingstuff: 500-1 000 CU. For use in compound feed rich in non- starch polysaccharides (mainly beta- glucans), e.g. containing more than 40 % barley.
	Laying hens	250 CU	2.	30.9.2000 In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting. Recommended
				dose

a 1 CU is the amount of enzyme which liberates 0,128 micromoles of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 4,5 and 30 °C.

**b** 1 EPU is the amount of enzyme which liberates 0,0083 micromoles of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 4,7 and 30 °C.

					per kg of complete feedingstuff: 500-1 000 CU.
					For use in compound feed rich in non-starch polysaccharides (mainly betaglucans), e.g. containing more than 40 % barley.
	Piglets	4 months	250 CU		30.9.2000 In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.

a 1 CU is the amount of enzyme which liberates 0,128 micromoles of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 4,5 and 30 °C.

b 1 EPU is the amount of enzyme which liberates 0,0083 micromoles of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 4,7 and 30 °C.

				Recommended dose per kg of complete feedingstuff: 500-1 000 CU.
				For use in compound feed rich in non-starch polysaccharides (mainly betaglucans), e.g. containing more than 40 % barley.
	Pigs for fattening	250 CU		30.9.2000 In the directions for use of the additive and premixture, indicate the storage temperature, storage life and

a 1 CU is the amount of enzyme which liberates 0,128 micromoles of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 4,5 and 30 °C.

**b** 1 EPU is the amount of enzyme which liberates 0,0083 micromoles of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 4,7 and 30 °C.

					2.	stability to pelleting.  Recommended dose per kg of complete feedingstuff: 500-1 000 CU.
					3.	For use in compound feed rich in non-starch polysaccharides (mainly betaglucans), e.g. containing more than 40 % barley.
17	Endo-1,4- beta- xylanase EC 3.2.1.8	Preparation of endo-1,4-beta-xylanase produced by Trichoder longibrace (IMI SD 135) having a minimum activity of:	for fattening ma hiatum	750 EPU	1.	30.9.2000 In the directions for use of the additive and premixture, indicate the storage temperature,

a 1 CU is the amount of enzyme which liberates 0,128 micromoles of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 4,5 and 30 °C.

b 1 EPU is the amount of enzyme which liberates 0,0083 micromoles of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 4,7 and 30 °C.

	Solid form: 6 000 EPU/ g <sup>b</sup> Liquid			storage life and stability to pelleting.
	form: 2 000 EPU/ ml		2.	Recommended dose per kg of complete feedingstuff: 1 500-3 000 EPU.
			3.	For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.
	Laying hens	750 EPU	1.	30.9.2000 In the directions for use of the additive and premixture,

a 1 CU is the amount of enzyme which liberates 0,128 micromoles of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 4,5 and 30 °C.

**b** 1 EPU is the amount of enzyme which liberates 0,0083 micromoles of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 4,7 and 30 °C.

					indicate the storage temperature, storage life and stability to pelleting.
					Recommended dose per kg of complete feedingstuff: 1 500-3 000 EPU.
					For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.
	Piglets	4 months	750 EPU	_	30.9.2000 In the directions for use of the

a 1 CU is the amount of enzyme which liberates 0,128 micromoles of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 4,5 and 30 °C.

b 1 EPU is the amount of enzyme which liberates 0,0083 micromoles of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 4,7 and 30 °C.

					additive and premixture, indicate the storage temperature, storage life and stability to pelleting.
					Recommended dose per kg of complete feedingstuff: 1 500-3 000 EPU.
					For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.
	Pigs for fattening	_	750 EPU	_	30.9.2000 In the directions for

a 1 CU is the amount of enzyme which liberates 0,128 micromoles of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 4,5 and 30 °C.

**b** 1 EPU is the amount of enzyme which liberates 0,0083 micromoles of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 4,7 and 30 °C.

				use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.
				Recommended dose per kg of complete feedingstuff: 1 500-3 000 EPU.
				For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.

a 1 CU is the amount of enzyme which liberates 0,128 micromoles of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 4,5 and 30 °C.

b 1 EPU is the amount of enzyme which liberates 0,0083 micromoles of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 4,7 and 30 °C.

### ANNEX III

No. (or EC	Additive	Chemical Species	Maximu age		IaximumOther ontent provisio	Period nsof
No)		descriptionategor of animal	ry	Units of act kg of compl feedingstuff	ivity/ lete	authorisation
12	beta- glucanase EC 3.2.1.4	endo-1,4- beta-	e: e:	Endo-1,4-—beta-glucanase: 1 800 U  Endo-1,3(4)-beta-glucanase: 1 800 U  Endo-1,4-—beta-xylanase: 2 600 U	1.	30.9.2001 In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  Recommended dose per kg of complete feedingstuff: Endo-1,4- beta- glucanase: 800-1 200 U Endo-1,3 (4)- beta- glucanase: I 800-2 700 U Endo-1,4- beta- glucanase: I 800-2 700 U Endo-1,4- beta- glucanase:

					3.	2 600-3 900 U. For use in compound feed rich in non- strach polysaccarides (mainly arabinoxylans and beta- glucans), e.g. containing more than 20 % wheat and 20 % barley.
17	Endo-1,4-beta-xylanase EC 3.2.1.8	beta- xylanase produced by Trichoder longibrac (IMI SD 135) having a minimum activity of:	for fattening ma hiatum	750 EPU	2.	30.9.2001 In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting. Recommended dose

ANNEX III

Document Generated: 2024-04-14

Changes to legislation: There are currently no known outstanding effects for the

Commission Regulation (EC) No 1353/2000. (See end of Document for details)

			000 EPU/ ml			per kg of complete feedingstuff: 1 500-3 000 EPU.
						For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 35 % wheat.
42	Endo-1,40 betaxylan EC 3.2.1.8	endo-1,4- beta- xylanase produced by <i>Trichoder</i> <i>longibrac</i> (IMI SD 135) having a minimum activity of:	fattening  ma hiatum  Solid form: 4 000 U/ ge istic	4 000 U	2.	30.9.2001 In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting. Recommended dose per

			endo-1,4-beta-xylanase: 1,99 % wheat: 97,7 % calcium propionate 0,3 % lecithin: 0,01 %			3.	kg of complete feedingstuff: 4 000 U For use in compound feed rich in non- starch polysaccharides (mainly arabinoxylans), e.g. containing more than 60 % wheat.
49	beta- glucanase EC 3.2.1.6 Endo-1,4- beta- xilanasa EC 3.2.1.8 Alfa- amylase EC 3.2.1.1	Trichoder longibrac (ATCC 2106), endo-1,4-beta-xylanase produced by "Trichoder longibrac (IMI	for  Mattening  ma  hiatum  mia  hiatum	Endo-1,30 beta-glucanase 150 U  Endo-1,4-beta-xylanase: 1 500 U  Alfa-amylase: 500 U  Bacillolys 800 U  Polygalac 50 U	: 	2.	30.9.2001 In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting. Recommended dose per kg of

Commission Regulation (EC) No 1353/2000 of 26 June 2000 concerning the permanent authorisation...

ANNEX III

Document Generated: 2024-04-14

Changes to legislation: There are currently no known outstanding effects for the

Commission Regulation (EC) No 1353/2000. (See end of Document for details)

endo-1,3(4 beta- glucanase: 150 U/ gf endo-1,4- beta- xylanase: 1 500 U/ gg alfa- amylase: 500 U/ gh bacillolysin 800 U/ gi polygalacto	n: uronase:			3.	complete feedingstuffs: endo-1,3(4)- beta- glucanase: 150 U endo-1,4- beta- xylanase: 1 500 U alpha- amylase: 800 U. bacillolysin: 800 U polygalacturonase: 50 U For use in compound feed rich in non- starch polysaccharides (mainly arabinoxylans and betaglucans), e.g. containing more than 30 % wheat.
Layingher	n <del>s</del> —	endo-1,3(beta-glucanase 150 U endo-1,4-beta- xylanase: 1 500 U	:	1.	30.9.2001 In the directions for use of the additive

		alpha- amylase: 1 000 U	_	and premixture, indicate
		bacillolys 800 U	i <del>n:</del>	the storage temperature,
		polygalac 50 U	t <del>ur</del> onase:	storage life and stability to pelleting.
				Recommended dose per kg of complete feedingstuffs: endo-1,3(4)-beta-glucanase: 150 U endo-1,4-beta-xylanase: 1 500 U alpha-amylase: 1 000
				U polygalacturonase: 25 U.
				For use in compound feed rich in non- starch polysaccharides (mainly arabinoxylans and

Commission Regulation (EC) No 1353/2000 of 26 June 2000 concerning the permanent authorisation...

ANNEX III

Document Generated: 2024-04-14

Changes to legislation: There are currently no known outstanding effects for the

Commission Regulation (EC) No 1353/2000. (See end of Document for details)

						betaglucans), e.g. containing more than 30 % wheat.
50	6-phytase EC 3.1.3.26	of 6- phytase produced by Aspergilli oryzae (DSM 11857) having a minimum activity of:	ıs	250 FYT	2.	30.9.2001 In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  Recommended dose per kg of complete feedingstuff: 500-1 000 FYT  For use in compound feed containing more than 0,25 % phytin bound phosphorus.

Laying	_	250 FYT	_	1.	30.9.2001 In
hens				1.	
					the
					directions
					for
					use
					of
					the
					additive
					and
					premixture,
					indicate
					the
					1
					storage
					temperature,
					storage
					life
					and
					stability
					1
					to
					pelleting.
				2.	Recommend
					dose
					per
					kg of
					complete
					feedingstuff:
					500-1
					000
					FYT
				3.	For
					use
					in
					compound
					feed
					containing
					more
					than
					0,25 %
					phytin
					pnyun kasa 1
					bound
					phosphorus.
Turkeys	_	250 FYT	_		30.9.2001
for				1.	In
					the
fattening					directions
					for
					use
					of
					P1

Commission Regulation (EC) No 1353/2000 of 26 June 2000 concerning the permanent authorisation...

ANNEX III

Document Generated: 2024-04-14

Changes to legislation: There are currently no known outstanding effects for the

Commission Regulation (EC) No 1353/2000. (See end of Document for details)

				additive and premixture, indicate the storage temperature, storage life and stability to pelleting.
			2.	Recommended dose per kg of complete feedingstuff: 500-1 000 FYT
			3.	For use in compound feed containing more than 0,25 % phytin bound phosphorus.
Piglets	2 months	500 FYT	1.	30.9.2001 In the directions for use of the additive and premixture, indicate the storage temperature, storage

	life and
	stability
	to
	pelleting.
2.	Recommended
	dose
	per
	kg of
	complete
	feedingstuff:
	500-1
	000 FYT
3.	For
	use in
	compound
	feed
	containing more
	than
	0,25 %
	phytin
	bound
	phosphorus.
Pigs for fattening 500 FYT — 1.	30.9.2001 In
lattening	the
	directions
	for use
	of
	the
	additive
	and premixture,
	indicate
	the
	storage
	temperature, storage
	life
	and
	stability to
	pelleting.
2.	Recommended
	Kecommended
	dose

					3.	kg of complete feedingstuff: 500-1 000 FYT  For use in compound feed containing more than 0,25 % phytin bound phosphorus.
51	Endo-1,4-betaxylan EC 3.2.1.8	endo-1,4- beta- xylanase produced by Bacillus subtilis (LMG-S 15136) having a minimum activity of:	for fattening	10 IU		30.9.2001 In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.
						Recommended dose per kg of complete feedingstuff: 10-
					3.	For use

							in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.
52	beta-	of endo-1,3(beta- glucanasa produced by	us ma hiatum	Endo-1,3(beta-glucanase 1 000 U  Endo-1,4-beta-glucanase 12 000 U  Alpha-amylase: 40 U	: .—	2.	30.9.2001 In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  Recommended dose per kg of complete feedingstuff: endo-1,3(4)- beta- glucanase: 1 000-2 000 U endo-1,4-

- a 1 U is the amount of enzyme which liberates 0,1 micromoles of glucose from carboxymethylcellulose per minute at pH 5.0 and 40 °C.
- **b** 1 U is the amount of enzyme which liberates 0,1 micromoles of glucose from barley beta-glucan per minute at pH 5.0 and 40 °C
- c 1 U is the amount of enzyme which liberates 0,1 micromoles of glucose from oat spelt xylan per minute at pH 5.0 ande 40 °C.
- d  $\,$  1 EPU is the amount of enzyme which liberates 0,0083 micromoles of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 4,7 and 30 °C.
- e 1 U is the amount of enzyme which liberates 1 micromole of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 5,3 and 50 °C.
- f 1 U is the amount of enzyme which liberates 1 micromole of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 5,0 and 30 °C.
- g 1~U is teh amount of enzyme which liberates 1 micromole of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 5,3 and 50 °C.
- $\begin{tabular}{ll} $h$ & 1$ U$ is the amount of enzyme which liberates 1 micromole of glucosidic linkages from water insoluble cross-linked starch polymer per minute at pH 6,5 and 37 <math>^{\circ}C$ .
- i 1 U is the amount of enzyme which liberates 1 microgram of phenolic compound (tyrosine equivalents) from casein substrate per minute at pH 7,5 and 40 °C.

Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EC) No 1353/2000. (See end of Document for details)

- j 1 U is the amount of enzyme which liberates 1 micromole of reducing material (galacturonic acid equivalents) from poly D-galacturonic substrate per minute at pH 5,0 and 40 °C.
- k 1 FYT is the amount of enzyme which liberates 1 micromole of inorganic phosphate per minute from sodium phytate at pH 5.5 and 37 °C.
- 1 IU is the amount of enzyme which liberates 1 micromole of reducing sugars (xylose equivalents) from birchwood xylan per minute at pH 4,5 and 30 °C.
- m 1 U is the amount of enzyme which liberates 0,0056 micromoles of reducing sugars (glucose equivalents) from barley-glucan per minute at pH 7.5 and 30 °C.
- n 1 U is the amount of enzyme which liberates 0,0056 micromoles of reducing sugars (glucose equivalents) from carboxymethylcellulose per minute at pH 7.5 and 30 °C.
- o 1 U is the amount of enzyme which liberates 1 micromole of glucose from a cross-linked starch polymer per minute at pH 7.4 and 37 °C.

#### ANNEX IV

No.	Additive	Chemica formula descripti		age	mMinimu content CFU/kg complete feedings	of e	mOther provision	Period nsof authorisation
19	Streptoco infantarii CNCM I-841  Lactobac plantarun CNCM I-840	sof: Streptocoo infantariu and illusctobaci	s illus i g ccus s	6 months	Streptocolinfantariu 1 × 10 <sup>9</sup>	cStreptocod sinfantariu 1 × 10 <sup>9</sup> illusctobaci iplantarum 0,5 × 10 <sup>9</sup>	sdirections for use of the additive	e,

# **Changes to legislation:**

There are currently no known outstanding effects for the Commission Regulation (EC) No 1353/2000.