ANNEX

The Annex to Implementing Regulation (EU) 2017/2470 is amended as follows:

(1) in Table 1 (Authorised novel foods), the following entry is inserted: [OP, please insert in the EN version in alphabetical order.]

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Authorised novel food	Conditions under which the nove	l food may l	be used	A	dditional specific labelling requirements	Other requirements
Frozen, dried and powder	Specified food category	(g/1) (markete or recon accordin	m levels 00g) ed as such estituted eng to the ctions) Dried or powder	1.	Depending on the form used, the designation of the novel food on the labelling of the foodstuffs containing it shall be 'frozen yellow mealworm (<i>Tenebrio molitor</i> larva)', 'dried yellow mealworm	
forms of Tenebrio molitor larva	Frozen, dried and powder forms of <i>Tenebrio molitor</i> larva (yellow mealworm))	(Tenebrio molitor larva)', or 'yellow mealworm (Tenebrio molitor larva) powder'.	
(yellow mealworm)	Crackers and breadsticks	21	9		•	
mearworm)	Cereal bars	23	10	2.	The labelling of the	
	Biscuits	15	6		foodstuffs containing frozen, dried and powder	
	Savoury pies and tarts	21	9		forms of yellow	
	Bread bearing statements on the absence or reduced presence of gluten in accordance with the	15	6		mealworm (<i>Tenebrio</i> molitor larva) shall bear a statement that this	

	requirements of Implementing Regulation (EU) No 828/2014			ingredient may cause allergic reactions to
st p	Pasta-based products bearing statements on the absence or reduced presence of gluten in accordance with the requirements of Implementing Regulation (EU) No 828/2014	23	10	consumers with known allergies to crustaceans and products thereof, and to dust mites. This statement shall
S	Soups and soup powders	21	9	appear in close proximity
	Pasta- or pizza-based products, noodles	23	10	to the list of ingredients.
R	Ready-to-eat meals	23	10	
S	Salads	21	9	
R	Ready-to-eat savouries and snacks	83	32	
p to I	Fruit and vegetable spreads (except products defined in Part I of Annex I to Directive 2001/112/EC and in Part of Annex I to Directive 2001/113/EC)	10	4	
L	Liqueurs and spirits	2	1	
p to p	Chocolate confectionary (for products defined in Part A of Annex I to Directive 2000/36/EC, only in products authorised in accordance with that Directive	15	6	

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(2) in Table 2 (Specifications), the following entry is inserted: [OP, please insert in the EN version in alphabetical order.]

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Authorised Novel Food	Specification			
Frozen, dried and powder of <i>Tenebrio</i> molitor larva (yellow mealworm)				
	Parameters	Frozen	Dried or powder	
	Characteristics/Composition			
	Ash (% w/w)	< 2.5	< 6.0	
	Water activity	< 1	< 0.6	
	Moisture (% w/w)	70-75	2-8	
Crude protein (N x 6.25) (% w/w) 13-20 56-64				

Fat (% w/w)	5-9	19-35
- of which saturated fatty acids (% fat)	0.9-1.9	4.0-9.0
Digestible carbohydrates (% w/w)	3.5-8.0	5.0-27.0
Dietary fibre (% w/w)	0.8-2.6	1.5-7.0
Chitin* (% w/w)	2.0-6.5	3.5-8.2
Peroxide value (Meq O ₂ /kg fat)	≤2	≤ 5
p-Anisidine value	< 1.1	< 5
Minerals		
Manganese (mg/kg)	≤5	≤11
Contaminants		
Heavy metals		
Lead (mg/kg)	≤ 0,075	≤ 0,075
Cadmium (mg/kg)	≤ 0,05	≤ 0,1
Mercury (mg/kg)	≤ 0.01	≤ 0.01
Arsenic (mg/kg)	≤ 0.02	≤ 0.06
Mycotoxins		

Aflatoxins (Sum of B1, B2, G1, G2) (μg/kg)	≤4	≤ 4	
Aflatoxin B1 (μg/kg)	≤2	≤ 2	
Deoxynivalenol (μg/kg)	≤ 200	≤ 200	
Ochratoxin A (µg/kg)	≤1	≤ 1	
Fumonisin B1 (µg/kg)	< 80	< 80	
Fumonisin B2 (µg/kg)	<80	<80	
Zearalenone (µg/kg)	< 15	< 15	
Other contaminants			
Histamine (mg/kg)	< 5	< 5	
Perfluoroalkyl substances (μg /kg)	< 0.1	< 0.1	
Sum of all positive identified PAHs (μg /kg)	< 10	< 10	
Sum of dioxins and dl-PCBs (UB, WHO-TEQ2005)** (pg/g fat)	≤ 5	≤ 5	
Microbiological criteria			
Total aerobic colony count (CFU/g)	≤ 10 ⁵	≤ 10 ⁵	

Enterobacteriaceae (presumptive) (CFU/g)	≤ 100	≤ 100
Beta-Glucuronidase positive Escherichia coli (CFU/g)	< 10	< 10
Listeria monocytogenes	Absence in 25g	Absence in 25g
Salmonella spp.	Absence in 25g	Absence in 25g
Bacillus cereus (presumptive) (CFU/g)	≤ 100	≤ 100
Coagulase positive Staphylococci (CFU/g	≤ 100	≤ 100
Sulphite-reducing anaerobes (CFU/g)	≤30	≤ 30
Yeasts and moulds (CFU/g)	≤100	≤ 100

^{*} Chitin calculated as the difference between the Acid Detergent Fibre fraction and the Acid Detergent Lignin fraction (ADF-ADL), as described by Hahn et al. (2018).

CFU: colony forming units.

^{**} Upper bound sum of polychlorinated dibenzo-para-dioxins (PCDDs)-polychlorinated dibenzofurans (PCDFs) and dioxin-like polychlorinated biphenyls (PCBs) expressed as World Health Organization toxic equivalent (using WHO-TEFs of 2005)).