هيئة التقييس لدول مجلس التعاون لدول الخليج العربية
GCC STANDARDIZATION ORGANIZATION (GSO)

مشروع تحديث لائحة أولي
First Draft of Standard DS

إعداد اللجنة الفرعية الخليجية رقم TC05-2

Prepared by GSO Technical Sub-Committee No. TC05-2

تحديث
GSO 2481 / 2019

الحدود القصوى المسموح بها من بقايا الادوية البيطرية في الاغذية
Maximum Residues Limits (Mrls) of Veterinary Drugs In Food

I.C.S: 67.040.00

تقديم

هيئة التقييس لدول مجلس التعاون لدول الخليج العربية هيئة إقليمية تضم في عضويتها أجهزة التقييس الوطنية في الدول الأعضاء ، ومن مهام الهيئة إعداد المواصفات القياسية واللوائح الفنية الخليجية بواسطة لجان فنية متخصصة.

قرر (المجلس الفني لـ/مجلس إدارة) هيئة التقييس لدول مجلس التعاون لدول الخليج العربية في اجتماعه رقم () الذي عقد بتاريخ / / هـ ،الموافق / / م اعتماد تحديث (اللائحة الفنية) الخليجية **(GSO 2481 الحدود القصوى المسموح بها من بقايا الادوية البيطرية في الاغذية)** باللغة (العربية/الإنجليزية) التي تم دراستها وإعدادها ضمن برنامج عمل (اللجنة الفنية) الخليجية رقم "TC05-2" اللجنة الفنية الفرعية الخليجية لمواصفات المواد المضافة وملوثات الأغذية" المدرجة في خطة (المملكة العربية السعودية).

على أن تلغي المواصفة القياسية/اللائحة الفنية الخليجية رقم (/) وَتحل محلها.

الحدود القصوى المسموح بها من بقايا الادوية البيطرية في الاغذية

1 المجال :

تختص هذه المواصفة القياسية الخليجية بالحدود القصوى المسموح بها لمتبقيات الأدوية البيطرية في المنتجات الغذائية والغذاء من أصل حيواني.

2 المراجع التكميلية

1.2 GSO 592 " طرق أخذ عينات اللحوم ومنتجاتها " .

2.2 GSO 2475 " طرق أخذ العينات لتقدير بقايا الأدوية البيطرية في الأغذية –الجزء الأول: منتجات اللحوم والدواجن " .

3.2 المواصفة القياسية الخليجية التي تعتمدها الهيئة والخاصة بـــ " طرق تقدير بقايا العقاقير البيطرية في اللحوم ومنتجات اللحوم" .

3 التعاريف

1.3 الدواء البيطري : هو أي مادة توصف أو تطبق أو تعطى لأي حيوان منتج للغذاء مثل الحيوانات المنتجة للحوم أو الحليب, الدواجن, الأسماك سواء كان استخدامها لأغراض علاجية وقائية أو تشخيصية أو كمحفزات للنمو .

2.3 متبقيات الأدوية البيطرية : وهي المواد التي تتواجد في المنتجات الغذائية من أصل حيواني كنتيجة لاستخدام الأدوية البيطرية. وهذه تعتمد على المركبات الأصلية و/أو نواتج أيضها داخل الجسم وكذلك بقايا الأدوية البيطرية غير النقية.

3.3 الحدود القصوى للمتبقيات : هو الحد الأقصى المسموح لمتبقي دواء بيطري ناتج من رعاية حيوانية وبيطرية جيدة وموصى به من هيئة الدستور الغذاء والهيئات الدولية الأخرى وذلك ليكون حد قانوني مسموح به في الغذاء أو مضافاً إليه. يعبر عن هذه الحدود كتركيزات تقاس بالمايكرو جرام من البقايا للكيلو غرام من المادة الغذائية (مكجم/كجم) (µg/kg) .

4.3 المعدل المسموح تناوله يومياً : هو الكمية المتبقية من الدواء البيطري ، التي تحسب على أساس وزن الجسم، والتي يمكن تناولها يوميا على مدى عمر الإنسان دون أي مخاطر صحية معتبرة (متوسط وزن الإنسان 60 كجم).

4- المتطلبات :

يجب أن لا تتعدى بقايا الأدوية البيطرية في الأغذية ذات الأصل الحيواني حدود معينة والتي تم توصيف كل منها في الجداول التالية :

5- قائمة الأدوية البيطرية :

No.	Drug	Page	No.	Drug	Page
1	Abamectin	49	78	Mebendazol	55
2	Albendazole	50	79	Melengestrol acetate	72
~~3~~	~~Amitraz~~	~~62~~	80	Meloxicam	70
4	Amoxicillin	14	81	Methyl benzoquate	46
5	Ampicillin	15	82	Monensin	46
6	Amprolium	42	83	Monepantel	55
7	Apramycin	9	84	Moxidectin	56
8	Arsanilic acid	73	85	Narasin	47
9	Atropine sulfate	77	86	Natamycin	42
10	Avermectin	51	87	Neomycin	11
11	Avilamycin	27	88	Nicarbazin	47
12	Bacitracin	28	89	Nitobimin	57
13	Benzyl penicillin	15	90	Nitroxynil	57
14	Bromhexine	76	91	Novobiocin	7
15	Carprofen	69	92	Nystatin	42
16	Cefalonium	13	93	Oleandomycin	24
17	Cefapirin	13	94	Ormetoprim	48
18	Ceftiofur	13	95	~~Oxfendazole~~	58
19	Cefuroxime	14	96	Oxyclozanide	59
20	Chlortetracycline	39	97	Oxytetracycline	40
21	Clazuril	43	98	Oxytocin	72
22	Clenbuterol	73	99	Permethrin	68

23	Clopidol	43	100	Phoxim	68
24	Cloprostenol	72	101	Piperazine	59
25	Closantel	52	102	Pirlimicin	23
26	Cloxacillin	16	103	Poloxalene	77
27	Colistin	28	104	Polymixin B	29
28	Cyhalothrin	63	105	Praziquantel	59
29	Cyfluthrin	64	106	Prednisolone	71
30	Cypermethrin And Alpha -Cypermethrin	65	107	Procaine benzyl penicillin	17
31	~~Cyromazine~~	66	108	Procaine HCl	75
32	Danofloxacin	19	109	Progesterone	73
33	Decoquinate	43	110	Ractopamine	74
34	Deltamethrin	66	111	Rafoxanide	59
35	Derquantel	52	112	Robenidine hydrochloride	48
36	Dexamethasone	71	113	Roxarsone	74
37	Diazinon	67	114	Salinomycin Sodium	48
38	Diclazuril	44	115	Sarafloxacin	22
39	Diclofenac	70	116	Semduramycin	48
~~40~~	~~Dicyclanil~~	67	117	Spectinomycin	8
41	Difloxacin	20	118	Spiramycin	25
42	Dihydrostreptomycin	9	119	Streptomycin	12
43	Diminazene	61	120	~~Sulfabenzamide~~	30
44	Dinitolmide (Zoalene)	44	121	~~Sulfacetamide~~	30
45	Doramectin	52	122	~~Sulfachlorpyridazine~~	31
46	Doxapram HCl	75	123	~~Sulfadiazine~~	31
47	Doxycycline	39	124	~~Sulfadimethoxine~~	32
48	Emamectin Benzoate	68	125	Sulfadimidine	32
49	Enrofloxacin	20	126	~~Sulfadoxine~~	33
50	Epinephrine	76	127	~~Sulfaethoxypyridazine~~	34
51	Eprinomectin	53	128	~~Sulfaguanidine~~	34
52	Erythromycin	23	129	~~Sulfamerazine~~	35
53	Estradiol-17 8beta	72	130	~~Sulfanilamide~~	36
54	Etamiphylline camsilate	76	131	~~Sulfanitran~~	36

55	~~Ethopabate~~	44	132	~~Sulfapyridine~~	37
56	Febantel/Fenbendazole/ Oxfendazole	53	133	~~Sulfaquinoxaline~~	37
57	~~Fenbendazole~~	53	134	~~Sulfathiazole~~	38
58	Florfenicol	18	135	Teflubenzuron	69
59	Fluazuron	68	136	Testosterone	73
60	Flubendazole	54	137	Tetracycline	41
61	Flumequine	21	138	Thiabendazole	60
62	Flunixin meglumine	70	139	Thiamphenicol	18
63	Gentamicin	10	140	Tiamulin	27
64	Gonadotrophin	72	141	Tilmicosin	25
65	Halofuginone hydrobromide	45	142	Tolfenamic acid	71
66	Hydrochlorothiazide	77	143	Toltrazuril	48
67	~~Hydrocortisone~~	71	144	Trenbolone acetate	74
68	Imidocarb	61	145	Tricaine methanesulfonate	75
69	Isometamidium	62	146	Trichlorfon (metrifonate)	69
70	Ivermectin	54	147	Triclabendazole	60
71	Ketamine	75	148	Trimethoprim	18
72	Ketoprofen	70	149	Tulathromycin	26
73	Lasalocid Sodium	45	150	Tylosin	26
74	Levamisole	54	151	Virginiamycin	29
75	Lincomycin	22	152	Zeranol	74
76	Maduramicin Ammonium	46	153	Zilpaterol	74
77	Marbofloxacin	22			

6- الحدود القصوى المسموح بها من بقايا الأدوية البيطرية في الأغذية :

Abamectin (Anthelmintic agent مضاد الديدان)				
Acceptable Daily Intake (ADI)		0-2 µg/kg body weight		
Residue Definition		Avermectin B1a		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Liver	100	CAC 26 (2003)	
	Kidney	50		
	Fat	100		

Albendazole (Anthelmintic agent مضاد الديدان)				
Acceptable Daily Intake (ADI)		0-50 µg/kg body weight		
Residue Definition		Exp milk, 2-aminosulfone metabolite: milk not yet identified		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Not specified	Muscle	100	CAC 20 (1993)	
	Liver	5000		
	Kidney	5000		
	Fat	100		
	Milk (µg/l)	100		

Amoxicillin (Antimicrobial agent مضاد الميكروبات)				
Microbiologicale Acceptable Daily Intake (ADI)		0-0.002 mg/kg body weight based on the effects of Amoxicillin on the intestinal microbiota		
Acute Reference Dose		0.005 mg/kg bw based on microbiological effects on the intestinal microbiota		
Estimated Chronic Dietary Exposure		0.14 µg/kg bw per day (for the general population), which represents 7% of the upper bound of the mADI		
Estimated Acute Dietary Exposure		1.4 µg/kg bw (for the general population), which represents 28% of the microbiological ARfD 1.6 µg/kg bw (for children), which represents 31% of the microbiological ARfD		
Residue Definition		Amoxicillin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	50	CAC 35 (2012)	
	Liver	50		
	Kidney	50		
	Fat	50		
	Milk	4		
Sheep	Muscle	50		
	Liver	50		
	Kidney	50		
	Fat	50		
	Milk	4		
Finish	Fillet	50	CAC 41 (2018)	The term “finfish”includes all fish species. Muscle plus skin in natural proportion
	Muscle	50		The term “finfish”includes all fish species.

Ampicillin (Antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		100 ug/kg body weight		
Acute Reference Dose		0.012 mg/kg bw based on the microbiological end-point.		
Estimated Chronic Dietary Exposure		0.29 µg/kg bw per day (for the general population), which represents 10% of the upper bound of the ADI.		
Estimated Acute Dietary Exposure		1.9 µg/kg bw per day (for the general population), which represents 16% of the ARfD. 1.7 µg/kg bw per day (for children), which represents 14% of the ARfD.		
Residue Definition		Ampicillin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Finish	Fillet	50	CAC 41 (2018)	The term "finfish"includes all fish species. Muscle plus skin in natural proportion
	Muscle	50		The term "finfish"includes all fish species.

Amprolium (Anticoccidial drugs مضاد الطفيليات)				
Acceptable Daily Intake (ADI)		100 ug/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	500	Canadian MRL, 2011	
	Liver	500		
	Kidney	500		
	Fat	2000		
Chicken	Muscle	200	EMEA/MRL/767/00-FINAL (2001)	
	Liver	200		
	Kidney	400		

	Skin/fat	200		
	Eggs	1000		
Turkey	Muscle	200	EMEA/MRL/767/00-FINAL (2001)	
	Liver	200		
	Kidney	400		
	Skin/fat	200		

Apramycin (Aminoglycosides Antibiotics مضاد البكتريا)				
Acceptable Daily Intake (ADI)		0–30 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	50	Australian standard MRL, 2012	
	Liver	2000		
	Kidney	20000		
	Fat	2000		
Sheep	Muscle	50	Australian standard MRL, 2012	
	Liver	2000		
	Kidney	2000		
	Fat	2000		
Goat	Muscle	50	Australian standard MRL, 2012	

	Liver	2000		
	Kidney	2000		
	Fat	2000		
Camel	Muscle	50	Australian standard MRL, 2012	
	Liver	2000		
	Kidney	2000		
	Fat	2000		
Chicken	Muscle	50	Australian standard MRL, 2012	
	Liver	1000		
	Kidney	1000		
	Fat	1000		
Turkey	Muscle	50	Australian standard MRL, 2012	
	Liver	1000		
	Kidney	1000		
	Fat	1000		

Arsanilic acid (Growth Promoting Agents محفزات النمو)				
Acceptable Daily Intake (ADI)		not established		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Muscle	500	Canadian MRL, 2011	

	Liver	2000		
	Eggs	500		
Turkey	Muscle	500	Canadian MRL(2011)	
	Liver	2000		

Atropine sulfate (Digestive System Drugs أدوية الجهاز الهضمي)				
Acceptable Daily Intake (ADI)		0-0.0002 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
All food producing species	Not applicable	No MRL required	Commission Regulation (Eu) No 37/2010	

Avermectin (Aminoglycosides Antibiotics مضاد البكتريا)				
Acceptable Daily Intake (ADI)		0 -2 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	5	Australian standard MRL, 2012	
	Liver	100	CAC/MRL 2-2011	
	Kidney	50		
	Fat	100		
	Milk (µg/l)	20	Australian standard MRL, 2012	
Sheep	Muscle	20	EMEA/MRL/865/03-FINAL June 2004	
	Liver	50	Australian standard MRL,	

	Kidney	50	2012	
	Fat	50		
Goat	Muscle	10	Australian standard MRL, 2012	
	Liver	50		
	Kidney	10		
	Fat	100		
	Milk	5		

Avilamycin (Antimicrobial Drugs مضاد البكتريا)				
Acceptable Daily Intake (ADI)		0-50 µg/kg body weight		
Residue Definition		Exp milk, 2-aminosulfone metabolite: milk not yet identified		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Muscle	100	CAC 32 (2009)	
	Liver	5000		
	Kidney	5000		
	Fat	100		
Turkey	Muscle	200	CAC 32 (2009)	
	Liver	300		
	Kidney	200		
	Fat/skin	200		

Rabbits	Muscle	200	CAC 32 (2009)	
	Liver	300		
	Kidney	200		
	Fat/skin	200		

Bacitracin (Antimicrobial Drugs مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-1 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Camel	Milk(µg/l)	500	Australian standard MRL, 2012 Canadian MRL, 2011	
Chicken	Muscle	500		
	Liver	500		
	Kidney	500		
	Fat	500		
	Eggs	500		
Turkey	Muscle	500	Canadian MRL, 2011	
	Liver	500		
	Kidney	500		
	Fat	500		

Benzyl penicillin (Antimicrobial Agent مضاد البكتريا)				
Acceptable Daily Intake (ADI)		30 µg penicillin/person/day		
Residue Definition		Benzylpenicillin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Catle	Muscle	50	CAC 23 (1999)	
	Liver	50		
	Kidney	50		
	Milk µg/l	4		
Chicken	Muscle	50	CAC 32 (2009)	Applies to procaine benzylpenicillin only.
	Liver	50		Applies to procaine benzylpenicillin only.
	Kidney	50		Applies to procaine benzylpenicillin only.

Bromhexine (RESPIRATORY SYSTEM DRUGS أدوية الجهاز التنفسي)				
Acceptable Daily Intake (ADI)		0.3 mg/kg per person		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Not applicable	No MRL required	Commission regulation (EU) No 37/2010	
Poultry	Not applicable	No MRL required		

Carprofen (Anti-Inflammatories مضادات الالتهابات الغير ستيرودية)				
Acceptable Daily Intake (ADI)		8.6 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	500	Commission regulation (EU) No 37/2010 Emea/mrl/042/95	
	Liver	1000		
	Kidney	1000		
	Fat	1000		

Cefalonium (Antimicrobial Agent مضاد البكتريا)				
Acceptable Daily Intake (ADI)		0 - 20 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	Australian standard MRL, 2012	
	Liver	100		
	Kidney	100		
	Fat	100		
	Milk (µg/l)	20		

Cefapirin (Antimicrobial Agent مضاد البكتريا)				
Acceptable Daily Intake (ADI)		0 - 0.02 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	20	Australian standard MRL, 2012	
	Liver	20		

	Kidney	20		
	Fat	20		
	Milk (µg/l)	10		

Ceftiofur (Antimicrobial Agent مضاد البكتريا)				
Acceptable Daily Intake (ADI)		0 - 50 µg/kg body weight		
Residue Definition		Desfuroylceftiofur		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	1000	CAC 23 (1999)	
	Liver	2000		
	Kidney	6000		
	Fat	2000		
	Milk (µg/l)	100		

Cefuroxime (Antimicrobial Agent مضاد البكتريا)				
Acceptable Daily Intake (ADI)		0 - 30 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	Australian standard MRL, 2012	
	Liver	100		
	Kidney	100		
	Fat	100		

	Milk (µg/l)	100		

Chlortetracycline/Oxytetracycline/Tetracycline (Antimicrobial Drugs مضاد البكتريا)				
Acceptable Daily Intake (ADI)		0-30 µg/kg body weight		
Residue Definition		Parent drugs, singly or in combination		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	200	CAC 26 (2003)	
	Liver	600		
	Kidney	1200		
	Milk (µg/l)	100		
Sheep	Muscle	200	CAC 26 (2003)	
	Liver	600		
	Kidney	1200		
	Milk (µg/l)	100		
Poultry	Muscle	200	CAC 26 (2003)	
	Liver	600		
	Kidney	1200		
	Eggs	400		
Fish	Muscle	200	CAC 26 (2003)	Applies only to oxytetracycline
Giant prawn (Paeneus monodon)	Muscle	200	CAC 26 (2003)	Applies only to oxytetracycline

Clazuril (Growth Promoting Agent محفز النمو)				
Acceptable Daily Intake (ADI)		0.05 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Pigeon	No MRL required	Not applicable	Commission Regulation (Eu) No 37/2010	

Clenbuterol (adrenoceptor agonist مضاد البكتريا)				
Acceptable Daily Intake (ADI)		0-0.004 µg/kg body weight		
Residue Definition		Clenbuterol		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	0.2	CAC 26 (2003)	Due to the potential abuse of this drug, the MRLs are recommended only when associated with a nationally approved therapeutic use, such as tocolysis or as an adjunt therapy in respiratory diseases
	Liver	0.6		
	Kidney	0.6		
	Fat	0.2		
	Milk (µg/l)	0.05		
Horse	Muscle	0.2	CAC 26 (2003)	Due to the potential abuse of this drug, the MRLs are recommended only when associated with a nationally approved therapeutic use, such as tocolysis or as an adjunt therapy in respiratory diseases
	Liver	0.6		
	Kidney	0.6		
	Fat	0.2		

Clopidol (Antiparasitic Drugs مضاد الطفيليات)				
Acceptable Daily Intake (ADI)		0.0025 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**

Chicken	Muscle	5000	Canadian MRL, 2011	
	Liver	15000		
	Kidney	15000		
Turkey	Muscle	5000	Canadian MRL, 2011	
	Liver	15000		
	Kidney	15000		

Cloprostenol (Hormones الهرمونات)				
Acceptable Daily Intake (ADI)		0.075 µg/kg per person		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Edible tissues	No need to establish	Annex 11of Council regulation (EEC)No 2377/90	

Closantel (Anthelmintic agents مضاد الديدان)				
Acceptable Daily Intake (ADI)		0-30 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	1000	CAC 20 (1993)	
	Liver	1000		
	Kidney	3000		
	Fat	3000		
Sheep	Muscle	1500	CAC 20 (1993)	
	Liver	1500		

	Kidney	5000		
Sheep	Fat	2000	CAC 20 (1993)	

Cloxacillin (Antimicrobial agents مضاد البكتريا)				
Acceptable Daily Intake (ADI)		200 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	10	Canadian MRL, 2011	
	Liver	10		
	Kidney	10		
	Fat	10		
	Milk (µg/l)	10	Australian standard MRL, 2012	

Colistin (Antimicrobial Drugs مضاد البكتريا)				
Acceptable Daily Intake (ADI)		0-7 µg/kg body weight		
Residue Definition		Sum of colistin A and colistin B		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	150	CAC 31 (2008)	
	Liver	150		
	Kidney	200		
	Fat	150		
	Milk (µg/l)	50		

Sheep	Muscle	150	CAC 31 (2008)	
	Liver	150		
	Kidney	200		
	Fat	150		
	Milk (µg/l)	50		
Goat	Muscle	150	CAC 31 (2008)	
	Liver	150		
	Kidney	200		
	Fat	150		
Chicken	Muscle	150	CAC 31 (2008)	
	Liver	150		
	Kidney	200		
	Fat	150		The MRL includes skin + fat
	Eggs	300		
Tukey	Muscle	150	CAC 31 (2008)	
	Liver	150		
	Kidney	200		
	Fat	150		The MRL includes skin + fat
Rabbit	Muscle	150	CAC 31 (2008)	

	Liver	150		
	Kidney	200		
	Fat	150		

Cyfluthrin (insecticide مبيد حشري)				
Acceptable Daily Intake (ADI)		0-20 µg/kg body weight		
Residue Definition		Cyfluthrin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	20	CAC 26 (2003)	
	Liver	20		
	Kidney	20		
	Fat	200		
	Milk (µg/l)	40		

Cyhalothrin (insecticide مبيد حشري)				
Acceptable Daily Intake (ADI)		0-5 µg/kg body weight		
Residue Definition		Cyhalothrin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	20	CAC 28 (2005)	
	Liver	20		
	Kidney	20		
	Fat	400		

	Milk (µg/l)	30		
Sheep	Muscle	20	CAC 28 (2005)	
	Liver	50		
	Kidney	20		
	Fat	400		

Cypermethrin And Alpha-Cypermethrin (insecticide مبيد حشري)				
Acceptable Daily Intake (ADI)		0-20 µg/kg body weight for both Cypermethrin And Alpha-Cypermethrin		
Residue Definition		Total of cypermethrin residues resulting from the use of cypermethrin or alpha-cypermethrin as veterinary drugs		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	50	CAC 29 (2008)	
	Liver	50		
	Kidney	50		
	Fat	1000		
	Milk (µg/l)	100		
Sheep	Muscle	50	CAC 29 (2008)	
	Liver	50		
	Kidney	50		
	Fat	1000		

Danofloxacin (Antimicrobial Drugs مضاد البكتريا)				
Acceptable Daily Intake (ADI)		0-20 µg/kg body weight		
Residue Definition		Danofloxacin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	200	CAC 24 (2001)	
	Liver	400		
	Kidney	400		
	Fat	100		
Shicken	Muscle	200	CAC 24 (2001)	
	Liver	400		
	Kidney	400		
	Fat	100		Fat/skin in normal proportion

Decoquinate (Antiparasitic Drugs مضاد الطفيليات)				
Acceptable Daily Intake (ADI)		0-7 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	1000	Canadian MRL, 2011	
	Liver	2000		
	Kidney	2000		
	Fat	2000		
Goat	Muscle	1000	Canadian MRL, 2011	
	Liver	2000		

	Kidney	2000		
	Fat	2000		
Chicken	Muscle	1000	Canadian MRL, 2011	
	Liver	2000		
	Kidney	2000		
	Fat	2000		

Deltamethrin (insecticide مبيد حشري)				
Acceptable Daily Intake (ADI)		0-10 µg/kg body weight		
Residue Definition		Deltamethrin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	30	CAC 26 (2003)	
	Liver	50		
	Kidney	50		
	Fat	500		
	Milk (µg/l)	30		
Chicken	Muscle	30	CAC 26 (2003)	
	Liver	50		
	Kidney	50		
	Fat	500		
	Eggs	30		

Salmon	Muscle	30	CAC 26 (2003)	
Sheep	Muscle	30	CAC 26 (2003)	
	Liver	50		
	Kidney	50		
	Fat	500		

Derquantel (Anthelmintic agents مضاد الديدان)				
Acceptable Daily Intake (ADI)		0-0.3 µg/kg body weight		
Residue Definition		Derquantel		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Sheep	Muscle	0.3	CAC 38 (2015)	
	Liver	0.8		
	Kidney	0.4		
	Fat	7		

Dexamethasone (glucocorticosteroid مضادات الالتهابات الستيرودية)				
Acceptable Daily Intake (ADI)		0-0.015 µg/kg body weight		
Residue Definition		Dexamethasone		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	1	CAC 32 (2009)	
	Liver	2		
	Kidney	1		
	Milk (µg/l)	0.3		

Horses	Muscle	1	CAC 32 (2009)	
	Liver	2		
	Kidney	1		

Diazinon (**Ectoparasiticides** مضادات الطفيليات الخارجية)				
Acceptable Daily Intake (ADI)		0–0.002 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	20	Commission regulation (EU) No 37/2010	
	Liver	20		
	Kidney	20		
	Fat	700		
	Milk (µg/l)	20		

Diclazuril (antiprotozoal agent مضادات الطفيليات)				
Acceptable Daily Intake (ADI)		0-0.30 µg/kg body weight		
Residue Definition		Diclazuril		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
poultry	Muscle	500	CAC 23 (1999)	
	Liver	3000		
	Kidney	2000		
	Fat/skin	1000		

Rabbit	Muscle	500	CAC 23 (1999)	
	Liver	3000		
	Kidney	2000		
	Fat	1000		
Sheep	Muscle	500	CAC 23 (1999)	
	Liver	3000		
	Kidney	2000		
	Fat	1000		

Diclofenac (Anti-Inflammatories non Steroidal مضادات الالتهابات غير الستيرودية)				
Acceptable Daily Intake (ADI)		0.5 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	5	Commission regulation (EU) No 37/2010	
	Liver	5		
	Kidney	10		
	Fat	1		
	Milk (µg/l)	0.1		

Difloxacin (Antimicrobial Drugs مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		10 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	500	Commission Regulation (Eu) No 37/2010	
	Liver	3000		
	Kidney	2000		
	Fat	1000		
Sheep	Muscle	400	Commission Regulation (Eu) No 37/2010	
	Liver	1400		
	Kidney	800		
	Fat	100		
Goat	Muscle	400	Commission Regulation (Eu) No 37/2010	
	Liver	1400		
	Kidney	800		
	Fat	100		
Poultry	Muscle	300	Commission Regulation (Eu) No 37/2010	
	Liver	1900		
	Kidney	600		
	Fat/skin	400		

Dihydrostreptomycin/ streptomycin (Antimicrobial Drugs مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-50 µg/kg body weight		
Residue Definition		Sum of dihydrostreptomycin and streptomycin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	600	CAC 24 (2001)	
	Liver	600		
	Kidney	1000		
	Fat	600		
	Milk (µg/l)	200	CAC 26 (2003)	
Chicken	Muscle	600	CAC 24 (2001)	
	Liver	600		
	Kidney	1000		
	Fat	600		
Sheep	Muscle	600	CAC 24 (2001)	
	Liver	600		
	Kidney	1000		
	Fat	600		
	Milk (µg/l)	200	CAC 26 (2003)	

Diminazene (trypanocide مضادات الطفيليات)				
Acceptable Daily Intake (ADI)		0-100 µg/kg body weight		
Residue Definition		Diminazene		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	500	CAC 22 (1997)	
	Liver	12000		
	Kidney	60000		
	Milk (µg/l)	150		LOQ of the analytical method

Dinitolmide (Zoalene) (Anticoccidial drugs مضاد الطفيليات)				
Acceptable Daily Intake (ADI)		µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Muscle	3000	Australian standard MRL, 2012 Canadian MRL, 2011	
	Liver	6000		
	Kidney	6000		
	Fat/skin	2000		
Turkey	Muscle	3000	Canadian MRL, 2011	
	Liver	3000		
	Kidney	6000		
	Fat	3000		

Doramectin (Anthelmintic agents مضادات الديدان)				
Acceptable Daily Intake (ADI)		0-1 µg/kg body weight		
Residue Definition		Doramectin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	10	CAC 22 (1997)	High concentration of residues at the injection site over a 35 day period after subcutaneous or intramuscular administration of the drug at the recommended dose
	Liver	100		
	Kidney	30		
	Fat	150		High concentration of residues at the injection site over a 35 day period after subcutaneous or intramuscular administration of the drug at the recommended dose
	Milk (µg/l)	15	CAC 29 (2006)	Depending on the route and/or time of administration the use of doramectin in dairy cows may result in extended withdrawal periods in milk. This may be addressed in national/regional regulatory programmes.

Doxapram HCl (Nervous System Drugs أدوية الجهاز العصبي)				
Acceptable Daily Intake (ADI)		not established		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**

All mammalian food producing species	Not applicable	No MRL required	Commission Regulation (Eu) No 37/2010	

Doxycycline (Antimicrobial Drugs مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-3 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	Commission regulation (EU) No 37/2010	
	Liver	300		
	Kidney	600		
Poultry	Muscle	100	Commission regulation (EU) No 37/2010	
	Liver	300		
	Kidney	600		
	Fat/skin	300		

Emamectin Benzoate (antiparasitic agent مضاد الطفيليات)	
Acceptable Daily Intake (ADI)	ADI of 0–0.5 µg/kg bw established by JMPR (2011), based on an overall NOAEL of 0.25 mg/kg bw per day for neurotoxicity from 14- and 53-week studies in dogs, supported by an overall NOAEL of 0.25 mg/kg bw per day from 1- and 2-year studies in rats. An uncertainty factor of 500 was applied to the NOAEL, which includes an additional uncertainty factor of 5 to account for the steep dose–response curve and irreversible histopathological effects in neural tissues at the lowest-observed-adverse-effect level (LOAEL) in dogs, as used by JMPR and confirmed by JECFA78.
Estimated Dietary Exposure	11 µg/person per day, which represents approximately 37% of the upper bound of the ADI (JECFA78)
Residue Definition	**Emamectin B1a**

Species	Tissue	MRL (µg/kg)	Referance	Notes
Salmon	Muscle	100	CAC 38 (2015)	
	Fillet	100		Muscle plus skin in natural proportion
Trout	Muscle	100	CAC 38 (2015)	
	Fillet	100		Muscle plus skin in natural proportion

Enrofloxacin (Antimicrobial Drugs مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		2 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	Commission Regulation (Eu) No 37/2010	
	Liver	300		
	Kidney	200		
	Fat	100		
	Milk (µg/l)	100		
Goat	Muscle	100	Commission Regulation (Eu) No 37/2010	
	Liver	300		
	Kidney	200		
	Fat	100		
	Milk (µg/l)	100		
Poultry	Muscle	100	Commission Regulation (Eu) No 37/2010	
	Liver	200		
	Kidney	300		

	Fat/skin	100		
Rabbit	Muscle	100	Commission Regulation (Eu) No 37/2010	
	Liver	200		
	Kidney	300		
	Fat	100		

Epinephrine (Cardiovascular System Drugs أدوية جهاز الأوعية القلبية)				
Acceptable Daily Intake (ADI)		0.3 mg per person		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
All food producing species	Not applicable	No MRL required	Commission Regulation (Eu) No 37/2010	

Eprinomectin (anthelmintic agent مضادات الديدان)				
Acceptable Daily Intake (ADI)		0-10 µg/kg body weight		
Residue Definition		Eprinomectin B1a		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	CAC 26 (2003)	
	Liver	2000		
	Kidney	300		
	Fat	250		
	Milk (µg/l)	20		

ERYTHROMYCIN (Antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-0.7 µg/kg body weight		
Residue Definition		Erythromycin A		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Muscle	100	CAC 31 (2008)	
	Liver	100		
	Kidney	100		
	Fat	100		The MRL includes skin + fat
	Eggs	50		
Turkey	Muscle	100	CAC 31 (2008)	
	Liver	100		
	Kidney	100		
	Fat	100		The MRL includes skin + fat

ESTRADIOL-17BETA (production aid مساعد انتاج)				
Acceptable Daily Intake (ADI)		unnecessary (JECFA32); 0-0.05 µg/kg weight (JECFA52)		
Residue Definition		Estradiol-17beta.		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	unnecessary	CAC 21 (1995)	
	Liver	unnecessary		
	Kidney	unnecessary		
	Fat	unnecessary		

Etamiphylline camsilat (Respiratory System Drugs أدوية الجهاز التنفسي)				
Acceptable Daily Intake (ADI)		not established		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
All food producing species	Not applicable	No MRL required	Commission Regulation (Eu) No 37/2010	

FEBANTEL/FENBENDAZOLE/OXFENDAZOLE (anthelmintic agent مضاد الديدان)				
Acceptable Daily Intake (ADI)		Group ADI of 0-7 µg/kg body weight		
Residue Definition		Sum of fenbendazole, oxfendazole and oxfendazole sulphone, expressed as oxfendazole sulphone equivalents		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	CAC 23 (1999)	
	Liver	500		
	Kidney	100		
	Fat	100		
	Milk (µg/l)	100		
Goat	Muscle	100	CAC 23 (1999)	
	Liver	500		
	Kidney	100		
	Fat	100		
Horse	Muscle	100	CAC 23 (1999)	
	Liver	500		

	Kidney	100		
	Fat	100		
Sheep	Muscle	100	CAC 23 (1999)	
	Liver	500		
	Kidney	100		
	Fat	100		
	Milk (µg/l)	100		

Florfenicol (Antimicrobial Drugs مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-1 µg/kg body weight		
Residue Definition		Erythromycin A		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	200	Canadian MRL (2011)	
	Liver	2000		
	Kidney	500	Australian standard MRL, 2012	
Fish	Muscle	500	Australian standard MRL, 2012	

FLUAZURON (insecticide مبيد حشري)				
Acceptable Daily Intake (ADI)		0-40 µg/kg body weight		
Residue Definition		Fluazuron		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	200	CAC 23 (1999)	
	Liver	500		
	Kidney	500		
	Fat	7000		

FLUBENDAZOLE (anthelmintic agent مضاد الديدان)				
Acceptable Daily Intake (ADI)		0-12 µg/kg body weight		
Residue Definition		Flubendazole		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Poultry	Muscle	200	CAC 21 (1995)	
	Liver	500		
	Eggs	400		

FLUMEQUINE (Antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-30 µg/kg body weight		
Residue Definition		Flumequine		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	500	CAC 28 (2005)	
	Liver	500		
	Kidney	3000		
	Fat	1000		

Chicken	Muscle	500	CAC 28 (2005)	
	Liver	500		
	Kidney	3000		
	Fat	1000		
Sheep	Muscle	500	CAC 28 (2005)	
	Liver	500		
	Kidney	3000		
	Fat	1000		
Trout	Muscle	500	CAC 28 (2005)	Muscle including normal proportion of skin

Flunixin meglumine (Anti-Inflammatories non Steroidal مضادات الالتهابات غير الستيرودية)				
Acceptable Daily Intake (ADI)		0-6 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	20	Australian standard MRL, 2012, Canadian MRL(2011)	
	Liver	20	Australian standard MRL, 2012	
	Kidney	20		
	Fat	30	Commission Regulation (EU) No 37/2010	
	Milk (µg/l)	6	Canadian MRL(2011)	

GENTAMICIN (Antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-20 µg/kg body weight		
Residue Definition		Gentamicin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	CAC 24 (2001)	
	Liver	2000		
	Kidney	5000		
	Fat	100		
	Milk (µg/l)	200		

GONADOTROPHIN (Hormones الهرمونات)				
Acceptable Daily Intake (ADI)		42.25 I.U. /kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
All food producing species	Not applicable	No MRL required	Commission Regulation (Eu) No 37/2010	

HALOFUGINONE HYDROBROMIDE (antiparasitic agent مضاد الطفيليات)				
Acceptable Daily Intake (ADI)		0.0003 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	10	Australian standard MRL, 2012 Canadian MRL(2011)	
	Liver	30		
	Kidney	30		
	Fat	25		
Chicken	liver	100	Australian standard MRL, 2012 Canadian MRL(2011	)

HYDROCHLOROTHIAZIDE (Urinary System Drugs أدوية الجهاز البولي)				
Acceptable Daily Intake (ADI)		12.5 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Not applicable	No MRL required	Commission Regulation (Eu) No 37/2010	

IMIDOCARB (antiprotozoal agent مضاد الطفيليات)				
Acceptable Daily Intake (ADI)		0-10 µg/kg body weight		
Residue Definition		Flumequine		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	300	CAC 28 (2005)	
	Liver	1500		
	Kidney	2000		
	Fat	50		
	Milk (µg/l)	50		

ISOMETAMIDIUM (Trypanocide مضاد الطفيليات)				
Acceptable Daily Intake (ADI)		0-100 µg/kg body weight		
Residue Definition		Flumequine		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	CAC 21 (1995)	
	Liver	500		
	Kidney	1000		
	Fat	100		

	Milk (µg/l)	100		

IVERMECTIN (anthelmintic agent مضاد الديدان)				
Acceptable Daily Intake (ADI)	0-10 µg/kg bw on the basis of a NOAEL of 0.5 mg/kg bw per day for neurological effects (mydriasis) and retardation of weight gain in a 14-week dog study, with application of an uncertainty factor of 50 (5 for interspecies differences based on pharmacokinetic studies in dogs and humans and 10 for intraspecies differences). The previous ADI of 0-1 µg/kg bw was withdrawn. (JECFA81)			
Estimated Chronic Dietary Exposure	The estimated daily intake (EDI) is 38 µg/person per day, based on a 60 kg individual, which represents 6% of the upper bound of the ADI. The GECDE for the general population is 0.9 µg/kg bw per day, which represents 9% of the upper bound of the ADI. The GECDE for children is 1.5 µg/kg body weight per day, which represents 15% of the upper bound of the ADI. The GECDE for infants is 1.3 µg/kg bw per day, which represents 13% of the upper bound of the ADI. (JECFA81)			
Acute Reference Dose	0.2 mg/kg bw, based on a NOAEL of 1.5 mg/kg bw, the highest dose tested in a safety, tolerability and pharmacokinetics study in healthy human subjects, with application of an uncertainty factor of 10 for intraspecies variability. (JECFA81)			
Estimated Acute Dietary Exposure	A combined analysis of all studies submitted showed that after 14 days, the maximum values of residues found at injection sites led to a GEADE of 52 µg/kg bw for the general population and 87 µg/kg bw for children, corresponding, respectively, to 27% and 43% of the ARfD. (JECFA81)			
Residue Definition	Ivermectin B1a			
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	30	CAC 40 (2017)	
	Liver	800		
	Kidney	100		
	Fat	400		
	Milk	10		

Sheep	Liver	15	CAC 20 (1993)	
	Fat	20		

KETAMINE (Nervous System Drugs أدوية الجهاز العصبي)				
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
All food producing species	Not applicable	No MRL required	Commission Regulation (Eu) No 37/2010	

KETOPROFEN (Anti-Inflammatories non Steroidal مضاد الالتهابات الغير ستيرودية)				
Acceptable Daily Intake (ADI)		0.001 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	50	Australian standard MRL, 2012, Canadian MRL(2011)	
	Liver	50		
	Kidney	50		
	Fat	50		
	Milk (µg/l)	50		

LASALOCID SODIUM (anthelmintic agent مضاد الديدان)	
Acceptable Daily Intake (ADI)	0-5 µg/kg bw on the basis of a NOAEL of 0.5 mg/kg bw per day from a developmental toxicity study in rabbits and a multigeneration reproductive toxicity study in rats, with application of an uncertainty factor of 100 for interspecies and intraspecies variability. (JECFA78)
Estimated Dietary	80 µg/person per day was calculated, which represents

Exposure		approximately 27% of the upper bound of the ADI (JECFA78)		
Residue Definition		Lasalocid A		
Note		JECFA78 extended the MRLs in chicken to turkey and quail and extrapolated the MRLs in chicken to pheasant. No information was available for duck, including on approved uses. As the compound is not registered for use in laying hens, according to the sponsor, it is not appropriate to recommend .MRLs for egg		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Muscle	400	CAC 40 (2017)	
	Liver	1200		
	Kidney	600		
	Skin + fat	600		
Turkey	Muscle	400	CAC 40 (2017)	
	Liver	1200		
	Kidney	600		
	Skin + fat	600		
Quail	Muscle	400	CAC 40 (2017)	
	Liver	1200		
	Kidney	600		
	Skin + fat	600		
Pheasant	Muscle	400	CAC 40 (2017)	
	Liver	1200		
	Kidney	600		

	Skin + fat	600		

LEVAMISOLE (anthelmintic agent مضاد الديدان)				
Acceptable Daily Intake (ADI)		0-6 µg/kg body weight		
Residue Definition		Levamisole		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	10	CAC 22 (1997)	
	Liver	100		
	Kidney	10		
	Skin	10		
Poultry	Muscle	10	CAC 22 (1997)	
	Liver	100		
	Kidney	10		
	Fat	10		
Sheep	Muscle	10		
	Liver	100		
	Kidney	10		
	Fat	10		

LINCOMYCIN (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-30 µg/kg body weight		
Residue Definition		Lincomycin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Milk	150	CAC 26 (2003)	
Chicken	Muscle	200	CAC 22 (1997)	
	Liver	500		
	Kidney	500		
	Fat	100		Additional MRL for skin with adhering fat of 300 µg/kg

LUFENURON (insecticide مبيد حشري)				
Acceptable Daily Intake (ADI)		0–0.02 mg/kg bw based on the NOAEL of 1.93 mg/kg bw per day for tonic-clonic seizures and findings in lungs, gastrointestinal tract, liver and urinary tract in a 2-year dietary study in rats, and using a safety factor of 100 (10 for interspecies variability and 10 for intraspecies variability)		
Acute Reference Dose		Unnecessary, in view of lufenuron low acute oral toxicity and the absence of developmental toxicity and other toxicological effects likely to be elicited by a single dose.		
Estimated Chronic Dietary Exposure		1.1 µg/kg bw per day (for the general population), which represents 5.5% of the upper bound of the ADI. As lufenuron is also used as pesticide, the overall dietary exposure was estimated. The assumptions and detailed results will be displayed in the JECFA85 report. Results below are only for use as veterinary drug.		
Residue Definition		Lufenuron		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Salmon	Fillet	1350	CAC 41 (2018)	
Trout	Fillet	1350	CAC 41 (2018)	

MADURAMICIN AMMONIUM (coccidial مضاد الطفيليات)				
Acceptable Daily Intake (ADI)		0.001 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Muscle	100	Australian standard MRL, 2012,	
	Liver	1000		
	Kidney	1000		
	Fat /skin	400	Canadian MRL(2011)	

MARBOFLOXACIN (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		4.5 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	150	EMEA/MRL/079/1996	
	Liver	150		
	Kidney	150		
	Fat /	50		
	Milk	75		

MEBENDAZOL (Anthelmintic agents مضاد الديدان)				
Acceptable Daily Intake (ADI)		1.25 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Sheep	Muscle	60	EMEA/MRL/7	

	Liver	400	81/01-FINAL (2001)	
	Kidney	60		
	Fat	60		
Goat	Liver	60	EMEA/MRL/781/01-FINAL (2001)	
	Kidney	400		
	Fat	60		
	Liver	60		

MELENGESTROL ACETATE (production aid مساعد النمو)				
Acceptable Daily Intake (ADI)		0-0.03 µg/kg body weight		
Residue Definition		Melengestrol acetate		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	1	CAC 32 (2009)	
	Liver	10		
	Kidney	2		
	Fat	18		

MEBENDAZOL(Anti-Inflammatories non Steroidal مضاد الالتهابات الغير ستيرودية)				
Acceptable Daily Intake (ADI)		0.0001 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	10	Australian standard MRL, 2012	

	Liver	60	Canadian MRL(2011)	
	Kidney	20		
	Milk (µg/l)	5	Australian standard MRL, 2012	

Methyl benzoquate (coccidial مضاد الطفيليات)				
Acceptable Daily Intake (ADI)		0.005 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Muscle	100	Australian standard MRL, 2012	
	Liver	100		
	Kidney	100		
	Fat /skin	200	Canadian MRL (2011)	

MONENSIN (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)	0–10 µg/kg bw on the basis of a NOAEL of 1.14 mg/kg bw per day and a safety factor of 100 and rounding to one significant figure.			
Estimated Dietary Exposure	Using the revised MRL, the TMDI from JECFA70 was recalculated, resulting in a value of 481 µg/person, which represents 80% of the upper bound of the ADI			
Residue Definition	Monensin			
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	10	CAC 32 (2009)	
	Liver	100	CAC 35 (2012)	

	Kidney	10	CAC 32 (2009)	
	Fat	100		
	Milk	2		
Sheep	Muscle	10	CAC 32 (2009)	
	Liver	20		
	Kidney	10		
	Fat	100		
Goats	Muscle	10	CAC 32 (2009)	
	Liver	20		
	Kidney	10		
	Fat	100		
Chicken	Muscle	10	CAC 32 (2009)	
	Liver	10		
	Kidney	10		
	Fat	100		
Turkey	Muscle	10	CAC 32 (2009)	
	Liver	10		
	Kidney	10		
	Fat	100		

Quail	Muscle	10	CAC 32 (2009)	
	Liver	10		
	Kidney	10		
	Fat	100		

MONEPANTEL (Anthelmintic agents مضاد الديدان)				
Acceptable Daily Intake (ADI)	0–0.02 mg/kg bw based on the NOAEL of 1.93 mg/kg bw per day for tonic-clonic seizures and findings in lungs, gastrointestinal tract, liver and urinary tract in a 2-year dietary study in rats, and using a safety factor of 100 (10 for interspecies variability and 10 for intraspecies variability)			
Acute Reference Dose	Unnecessary			
Estimated Dietary Exposure	13.7 µg per kg bw per day (for the general population), which represents 68% of the upper bound of the ADI 5.0 µg per kg bw per day (for children), which represents 22% of the upper bound of the ADI 4.4 µg per kg bw per day (for infants), which represents 25% of the upper bound of the ADI			
Residue Definition	Monepantel sulfone, expressed as monepantel			
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Sheep	Muscle	500	CAC 38 (2015)	
	Liver	7000		
	Kidney	1700		
	Fat	13000		
Cattle	Muscle	300	CAC 41 (2018)	
	Liver	2000		
	Kidney	1000		

	Fat	7000		

MOXIDECTIN (Anthelmintic agents مضاد الديدان)				
Acceptable Daily Intake (ADI)		0-2 µg/kg body weight		
Residue Definition		Moxidectin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	20	CAC 22 (1997)	Very high concentration and great variation in the level of residues at the injection site in cattle over a 49 day period after dosing
	Liver	100		
	Kidney	50		
	Fat	500		
Deer	Muscle	20	CAC 23 (1999)	
	Liver	100		
	Kidney	50		
	Fat	500		
Sheep	Muscle	50	CAC 22 (1997)	
	Liver	100		
	Kidney	50		
	Fat	500		

NARASIN (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-5 µg/kg bw on the basis of a NOAEL of 0.5 mg/kg bw per day and a safety factor of 100.		
Residue Definition		Narasin A		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	15	CAC 35 (2012)	
	Liver	50		
	Kidney	15		
	Fat	50		
Chicken	Muscle	15	CAC 32 (2009)	
	Liver	50		
	Kidney	15		
	Fat	50		

NATAMYCIN (Antifungal drugs أدوية المضادة للفطريات)				
Acceptable Daily Intake (ADI)		0.3 mg /kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Edible tissues	Withdrawn (for topical use only)	EMEA/MRL/342/98	

NEOMYCIN (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-60 µg/kg body weight		
Residue Definition		Neomycin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	500	CAC 23 (1999)	
	Liver	500	CAC 28 (2005)	
	Kidney	10000		
	Fat	500	CAC 23 (1999)	
	Milk	1500	CAC 28 (2005)	
Chicken	Muscle	500	CAC 23 (1999)	
	Liver	500		
	Kidney	10000		
	Fat	500		
	Eggs	500		
Duck	Muscle	500	CAC 23 (1999)	
	Liver	500		
	Kidney	10000		
	Fat	500		
Goat	Muscle	500	CAC 23 (1999)	
	Liver	500		
	Kidney	10000		

	Fat	500		
Sheep	Muscle	500	CAC 23 (1999)	
	Liver	500		
	Kidney	10000		
	Fat	500		
Turkey	Muscle	500	CAC 23 (1999)	
	Liver	500		
	Kidney	10000		
	Fat	500		

NICARBAZIN (antiprotozoal agent مضادات الطفيليات)				
Acceptable Daily Intake (ADI)		0-400 µg/kg body weight.		
Residue Definition		N'-bis(4-nitropheyl)urea,		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Muscle	200	CAC 23 (1999)	Broilers
	Liver	200		Broilers
	Kidney	200		Broilers
	Fat	200		Broilers

NITOBIMIN (Anthelmintic agents مضاد الديدان)				
Acceptable Daily Intake (ADI)		5 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**

Cattle	Muscle	100	EMEA/MRL/565/99-FINAL (1999)	
	Liver	1000		
	Kidney	500		
	Fat	100		
	Milk	100		
Sheep	Muscle	100	EMEA/MRL/565/99-FINAL (1999)	
	Liver	1000		
	Kidney	500		
	Fat	100		
	Milk	100		
Goat	Muscle	100	EMEA/MRL/565/99-FINAL (1999)	
	Liver	1000		
	Kidney	500		
	Fat	100		
	Milk	100		

NITROXYNIL (Anthelmintic agents مضاد الديدان)				
Acceptable Daily Intake (ADI)		0-20 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	1000	Australian standard MRL, 2012	
	Liver	1000		
	Kidney	1000		
	Fat	1000		
Goat	Muscle	1000	Australian standard MRL, 2012	
	Liver	1000		
	Kidney	1000		
	Fat	1000		
Sheep	Muscle	1000	Australian standard MRL, 2012	
	Liver	1000		
	Kidney	1000		
	Fat	1000		

NITROXYNIL (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		1.25 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	Australian standard MRL, 2012	
	Liver	100		

	Kidney	50		
	Milk	100		

NYSTATIN (Antifungal drugs أدوية المضادة للفطريات)				
Acceptable Daily Intake (ADI)		Not established		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Edible tissues	Withdrawn (for topical use only)	EMEA/MRL/CVMP/151/99	
Poultry	Edible tissues	Withdrawn (for topical use only)		

OLEANDOMYCIN (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0.00075 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	Australian standard MRL, 2012	
	Liver	100		
	Kidney	100		
Sheep	Muscle	100	Australian standard MRL, 2012	
	Liver	100		
	Kidney	100		
Goat	Muscle	100	Australian standard MRL, 2012	
	Liver	100		
	Kidney	100		

Camel	Muscle	100	Australian standard MRL, 2012	
	Liver	100		
	Kidney	100		

ORMETOPRIM (Anticoccidial drugsمضاد الطفيليات)				
Acceptable Daily Intake (ADI)		4 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Salmon	Muscle	100	Canadian MRL(2011)	
	Skin	100		

OXYCLOZANIDE (Anthelmintic agents مضاد الديدان)				
Acceptable Daily Intake (ADI)		0.03 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	20	EMEA/MRL/889/03-FINAL (2004)	
	Liver	500		
	Kidney	100		
	Fat	20		
	Milk	10		
Sheep	Muscle	20	EMEA/MRL/889/03-FINAL (2004)	
	Liver	500		
	Kidney	100		

	Fat	20		

OXYTETRACYCLINE (Anthelmintic agents مضاد الديدان)				
Acceptable Daily Intake (ADI)		0-3 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	Australian standard MRL, 2012	
	Liver	300		
	Kidney	600		
	Milk	100	Canadian MRL 2011	
Goat	Muscle	100	Australian standard MRL, 2012	
	Liver	300		
	Kidney	600		
	Milk	100		
Sheep	Muscle	100	Australian standard MRL, 2012	
	Liver	300		
	Kidney	600		
	Milk	100		
Camel	Muscle	100	Australian standard MRL, 2012	
	milk	100		
Chicken	Muscle	100	Canadian MRL 2011	

	Liver	600		
	Kidney	1200		
	Eggs	400		
Turkey	Muscle	200	Canadian MRL 2011	
	Liver	600		
	Kidney	1200		
Salmonids Lobsters	Muscle	200	Canadian MRL 2011	
	Skin	200		

OXYTOCIN (Antifungal drugs أدوية المضادة للفطريات)				
FSpecies	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
All food producing species	Not applicable	No MRL required	EMEA/MRL/054/95	

PERMETHRIN (Anthelmintic agents مضاد الديدان)				
Acceptable Daily Intake (ADI)		0.05 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	50	COMMISSION REGULATION (EU) NO 37/2010	
	Liver	50		
	Kidney	50		

	Fat	500		
	Milk	50		

PHOXIM (insecticide مبيد حشري)				
Acceptable Daily Intake (ADI)		0-4 µg/kg body weight		
Residue Definition		Phoxim		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Goat	Muscle	50	CAC 26 (2003)	
	Liver	50		
	Kidney	50		
	Fat	400		
Sheep	Muscle	50	CAC 26 (2003)	
	Liver	50		
	Kidney	50		
	Fat	400		

PIPERAZINE (Anthelmintic agents مضاد الديدان)				
Acceptable Daily Intake (ADI)		0.25 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Eggs	2 000	COMMISSION REGULATION (EU) NO 37/2010	

Pirlimycin (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)	0-8 µg/kg body weight			
Residue Definition	Pirlimycin			
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	CAC 29 (2006)	
	Liver	1000		
	Kidney	400		
	Fat	100		
	Milk	100		JECFA evaluated the effect of pirlimycin residues on starter cultures and for this reason recommended an MRL of 100 µg/kg of milk. Codex Members may therefore adapt national/regional MRLs in order to address this technological aspect for trade of fresh liquid milk intended for processing using starter culture.

POLOXALENE (Digestive System Drugs أدوية الجهاز الهضمي)				
Acceptable Daily Intake (ADI)	0.02 mg /kg body weight			
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
All food producing species	Not applicable	No MRL required	COMMISSION REGULATION (EU) No 37/2010	

POLYMIXIN B (antimicrobial agent مضاد الميكروبات)	
Acceptable Daily Intake	4.0 u/ml body weight

(ADI)				
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Milk	4000 U/ml	Canadian MRL(2011)	

PRAZEQUANTEL (Anthelmintic agents مضاد الديدان)				
Acceptable Daily Intake (ADI)		0-20 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Sheep	Muscle	50	Australian standard MRL, 2012	
	Liver	50		
	Kidney	50		
	Fat	50		

PREDNISOLONE (glucocorticosteroid مضادات الالتهابات الستيرودية)				
Acceptable Daily Intake (ADI)		0.0002 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	4	COMMISSION REGULATION (EU) No 37/2010	
	Liver	10		
	Kidney	10		
	Fat	4		
	Milk	6		

PROCAINE BENZYL PENICILLIN (antimicrobial agent مضاد الميكروبات)	
Acceptable Daily Intake (ADI)	30 µg penicillin/person/day

Species	Tissue	MRL (µg/kg)	Referance	Notes
Cattle	Muscle	50	Australian standard MRL, 2012	
	Liver	50		
	Kidney	50		
	Milk	1.5		

Procaine HCl (Nervous System Drugs أدوية الجهاز العصبي)				
Acceptable Daily Intake (ADI)		not established		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
All food producing species	Not applicable	No MRL required	COMMISSION REGULATION (EU) No 37/2010	

PROGESTERONE (production aid مساعد انتاج)				
Acceptable Daily Intake (ADI)		0-30 µg/kg body weight		
Residue Definition		Progesterone		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	unnecessary	CAC 21 (2005)	Residues resulting from the use of this substances as a growth promoter in accordance with good animal husbandry practice are unlikely to pose a hazard to human health.
	Liver	unnecessary		
	Kidney	unnecessary		
	Fat	unnecessary		

RACTOPAMINE (production aid مساعد انتاج)	
Acceptable Daily Intake (ADI)	0-30 µg/kg body weight
Residue Definition	Ractopamine

Species	Tissue	MRL (µg/kg)	Referance	Notes
Cattle	Muscle	10	CAC 35 (2012)	
	Liver	40		
	Kidney	90		
	Fat	10		

RAFOXANIDE (Anthelmintic agents مضاد الديدان)				
Acceptable Daily Intake (ADI)		2 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	30	EMEA/MRL/636/99 FINAL (1999)	
	Liver	10		
	Kidney	40		
	Fat	30		
Sheep	Muscle	100	EMEA/MRL/636/99 FINAL (1999)	
	Liver	150		
	Kidney	150		
	Fat	250		

ROBENIDINE HYDROCHLORIDE (Anticoccidial drugsمضاد الطفيليات)				
Acceptable Daily Intake (ADI)		0.005 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Muscle	100	Canadian MRL(2011) Australian standard MRL, 2012	
	Liver	100		
	Kidney	100		
	Fat /skin	200	Canadian MRL(2011)	

ROXARSONE (Growth Promoting Agent محفز النمو)				
Acceptable Daily Intake (ADI)		25 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Muscle	500	Canadian MRL(2011)	
	Liver	200		
	Eggs	500		
Turkey	Muscle	500	Canadian MRL(2011)	
	Liver	200		

SALINOMYCIN SODIUM (Anticoccidial drugs مضاد الطفيليات)				
Acceptable Daily Intake (ADI)		0.01 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	50	Australian standard MRL, 2012	
	Liver	350	Canadian MRL(2011)	
	Kidney	500	Australian standard MRL, 2012	
Chicken	Muscle	100	Australian standard MRL, 2012	
	Liver	500		
	Kidney	500		
	Fat	350	Canadian MRL(2011)	
	Eggs	20	Australian standard MRL, 2012	

SARAFLOXACIN (insecticide مبيد حشري)				
Acceptable Daily Intake (ADI)		0-0.3 µg/kg body weight		
Residue Definition		Sarafloxacin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Muscle	10	CAC 24 (2001)	
	Liver	80		
	Kidney	80		
	Fat	20		
Turkey	Muscle	10	CAC 24 (2001)	
	Liver	80		
	Kidney	80		
	Fat	20		

SEMDURAMICIN (Anticoccidial drugs مضاد الطفيليات)				
Acceptable Daily Intake (ADI)		3 ug/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Muscle	50	National Registration Authority for Agricultural and Veterinary Chemicals, Australia, 2001	
	Liver	500		
	Kidney	200		
	Fat /skin	500		

SPECTINOMYCIN (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-40 µg/kg body weight		
Residue Definition		Spectinomycin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	500	CAC 23 (1999)	
	Liver	2000		
	Kidney	5000		
	Fat	2000		
	Milk µg/l	200		
Chicken	Muscle	500	CAC 23 (1999)	
	Liver	2000		
	Kidney	5000		
	Fat	2000		
	Eggs	2000		
Sheep	Muscle	500		
	Liver	2000		
	Kidney	5000		
	Fat	2000		

SPIRAMYCIN (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-50 µg/kg body weight		
Residue Definition		Cattle and chickens, sum of spiramycin and neospiramycin; spiramycin equivalents antimicrobially active residues.		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	200	CAC 22 (1997)	
	Liver	600		
	Kidney	300		
	Fat	300		
	Milk µg/l	200		
Chicken	Muscle	200	CAC 22 (1997)	
	Liver	600		
	Kidney	800		
	Fat	300		

STREPTOMYCIN (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-50 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	300	Australian standard MRL, 2012	
	Liver	300		
	Kidney	300		
	Fat	500	Canadian MRL, 2011	

	Milk (µg/l)	125		
Goat	Muscle	300	Australian standard MRL, 2012	
	Liver	300		
	Kidney	300		
	Milk (µg/l)	200		
Sheep	Muscle	300	Australian standard MRL, 2012	
	Liver	300		
	Kidney	300		
	Fat	600		
	Milk (µg/l)	200		
Camel	Muscle	100	Australian standard MRL, 2012	
	milk	100		
Camel	Muscle	300	Australian standard MRL, 2012	
	Liver	300		
	Kidney	300		
	Milk (µg/l)	200		

SULFADIMIDINE (antimicrobial agent مضاد الميكروبات)	
Acceptable Daily Intake (ADI)	0-50 µg/kg body weight
Residue Definition	Sulfadimidine

Species	Tissue	MRL (µg/kg)	Referance	Notes
Cattle	Milk µg/l	25	CAC 21 (1995)	
Not specified	Muscle	100	CAC 21 (1995)	
	Liver	100		
	Kidney	100		
	Fat	100		

TEFLUBENZURON (insecticide مبيد حشري)				
Acceptable Daily Intake (ADI)	0-5 µg/kg bw on the basis of a lower 95% confidence limit on the benchmark dose for a 10% response (BMDL10) of 0.54 mg/kg bw per day for hepatocellular hypertrophy in male mice observed in a carcinogenicity study, with application of an uncertainty factor of 100 to account for interspecies and intraspecies variability.			
Estimated Chronic Dietary Exposure	The EDI is 42.9 µg/person per day, on the basis of a 60 kg individual, which represents approximately 14% of the upper bound of the ADI. The GECDE for the general population is 1.6 µg/kg bw per day, which represents 31% of the upper bound of the ADI. The GECDE for children is 2.1 µg/kg bw per day, which represents 43% of the upper bound of the ADI. The GECDE for infants is 0.9 µg/kg bw per day, which represents 18% of the upper bound of the ADI.			
Residue Definition	Teflubenzuron			
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Salmon	Muscle	400	CAC 40 (2017)	
	Fillet	400		Muscle plus skin in natural proportion

TESTOSTERONE (production aid مساعد انتاج)	
Acceptable Daily Intake (ADI)	0-2 µg/kg body weight

Residue Definition		Testosterone		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	unnecessary	CAC 21 (1995)	Residues resulting from the use of this substances as a growth promoter in accordance with good animal husbandry practice are unlikely to pose a hazard to human health.
	Liver	unnecessary		
	Kidney	unnecessary		
	Fat	unnecessary		

TETRACYCLINE (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-3 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	COMMISSION REGULATION (EU) No 37/2010	
	Liver	300		
	Kidney	600		
	Fat	100		
	Milk (µg/l)	100		
Goat	Muscle	100	COMMISSION REGULATION (EU) No 37/2010	
	Liver	300		
	Kidney	600		
	Milk (µg/l)	100		
Sheep	Muscle	100	COMMISSION REGULATION (EU) No 37/2010	
	Liver	300		
	Kidney	600		

	Milk (µg/l)	100		
Chicken	Muscle	100	COMMISSION REGULATION (EU) No 37/2010	
	Liver	300		
	Kidney	600		
	Eggs	200		

THIABENDAZOLE (Anthelmintic agent مضاد الديدان)				
Acceptable Daily Intake (ADI)		0-100 µg/kg body weight		
Residue Definition		Sum of thiabendazole and 5-hydroxythiabendazole		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	CAC 21 (1995)	The MRL also covers residues derived from feed containing the residues resulted from agricultural use.
	Liver	100		
	Kidney	100		
	Fat	100		
	Milk µg/l	100		
Goat	Muscle	100	CAC 21 (1995)	The MRL also covers residues derived from feed containing the residues resulted from agricultural use.
	Liver	100		
	Kidney	100		
	Fat	100		
	Milk µg/l	100		
Sheep	Muscle	100	CAC 21 (1995)	The MRL also covers residues derived from feed containing the residues resulted from agricultural use.
	Liver	100		
	Kidney	100		
	Fat	100		

THIAMPHENICOL (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-1 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**

Cattle	Muscle	50	COMMISSION REGULATION (EU) No 37/2010	
	Liver	50		
	Kidney	50		
	Fat	50		
	Milk µg/l	50		
Goat	Muscle	50	COMMISSION REGULATION (EU) No 37/2010	
	Liver	50		
	Kidney	50		
	Fat	50		
	Milk µg/l	50		
Sheep	Muscle	50	COMMISSION REGULATION (EU) No 37/2010	
	Liver	50		
	Kidney	50		
	Fat	50		
	Milk (µg/l)	50		

TIAMULIN (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-30 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Chicken	Muscle	100	COMMISSION REGULATION (EU) No 37/2010	
	Liver	1000		
	Fat/skin	100		
	Eggs	1000		
Turkey	Muscle	100	COMMISSION REGULATION (EU) No 37/2010	
	Liver	300		
	Fat/skin	100		
Rabbit	Muscle	100	COMMISSION REGULATION (EU) No 37/2010	
	Liver	500		

TILMICOSIN (antimicrobial agent مضاد الميكروبات)	
Acceptable Daily Intake	0-40 µg/kg body weight

(ADI)				
Residue Definition		Tilmicosin		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	CAC 23 (1999)	
	Liver	1000		
	Kidney	300		
	Fat	100		
Chicken	Muscle	150	CAC 36 (2011)	
	Liver	2400		
	Kidney	600		
	Skin/Fat	250		
Sheep	Muscle	100	CAC 23 (1999)	
	Liver	1000		
	Kidney	300		
	Fat	100		
Turkey	Muscle	100	CAC 34 (2011)	
	Liver	1200		
	Kidney	1400		
	Skin/Fat	250		

TOLFENAMIC ACID (Anti-Inflammatories non Steroidal مضادات الالتهابات غير الستيرودية)				
Acceptable Daily Intake (ADI)		0-0.1 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	50	EMEA/MRL/183/97 FINAL (1997)	
	Liver	400		
	Kidney	100		
	Milk (µg/l)	50		

TOLTRAZURIL (Anticoccidial drugs مضاد الطفيليات)				
Acceptable Daily Intake (ADI)		0-2 µg/kg body weight		
Residue Definition		Toltrazuril		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	250	Australian standard MRL, 2012	
	Liver	2000		
	Kidney	1000		
	Fat	1000		
Chicken	Muscle	2000	Australian standard MRL, 2012	
	Liver	5000		
	Kidney	5000		
	Eggs	30		

TRENBOLONE ACETATE (Growth Promoting Agent محفز النمو)				
Acceptable Daily Intake (ADI)		0-0.2 µg/kg body weight		
Residue Definition		Cattle muscle, beta-Trenbolone; Cattle liver, alpha-Trenbolone		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	2	CAC 21 (1995)	
	Liver	10		

TRICAINE METHANESULFONATE (Nervous System Drugs أدوية الجهاز العصبي)				
Acceptable Daily Intake (ADI)		not established		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Salmonids	Muscle	10	Canadian MRL(2011)	
	Skin	10		

TRICHLORFON (Metrifonate)(insecticide مبيد حشري)				
Acceptable Daily Intake (ADI)		0-2 µg/kg body weight		
Residue Definition		JECFA54 confirmed the MRL for cows's milk and the guidance levels for muscle, liver, kidney and fat of cattle recommended (WHO TRS 900, 2001)		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Milk	50	CAC 29 (2008)	

TRICLABENDAZOLE (Anthelmintic agent مضاد الديدان)				
Acceptable Daily Intake (ADI)		0-3 µg/kg body weight		
Residue Definition		Ketotriclabnedazole		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	250	CAC 32 (2009)	
	Liver	850		
	Kidney	400		
	Fat	100		
Sheep	Muscle	200	CAC 32 (2009)	
	Liver	300		
	Kidney	200		
	Fat	100		

TRIMETHOPRIM (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		20 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	50	Australian standard MRL, 2012	
	Liver	50		
	Kidney	50		
	Fat	50		
	Milk µg/l	50		
Goat	Muscle	50	Australian standard MRL,	
	Liver	50		
	Kidney	50		
	Fat	50		

	Milk µg/l	50	2012	
Sheep	Muscle	50	Australian standard MRL, 2012	
	Liver	50		
	Kidney	50		
	Fat	50		
	Milk (µg/l)	50		

TRIMETHOPRIM (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0.005 mg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	Australian standard MRL, 2012	
	Liver	2000	Canadian MRL 2011	
	Kidney	1000	Australian standard MRL, 2012	
	Fat	100		

TYLOSIN (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		0-30 µg/kg bw based on a microbiological end-point derived from in vitro MIC susceptibility testing and faecal binding data (MICcalc = 1.698)		
Residue Definition		Tylosin A		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	CAC 32 (2009)	
	Liver	100		
	Kidney	100		
	Fat	100		
	Milk	100		
Chicken	Muscle	100	CAC 32 (2009)	
	Liver	100		
	Kidney	100		
	Skin/Fat	100		

	Eggs	300		

VIRGINIAMYCIN (antimicrobial agent مضاد الميكروبات)				
Acceptable Daily Intake (ADI)		250 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	100	Australian standard MRL, 2012	
	Liver	200		
	Kidney	200		
	Fat	200		
	Milk µg/l	100		
Chicken	Muscle	200	Australian standard MRL, 2012	
	Liver	200		
	Kidney	200		
	Fat /skin	200		
	Eggs			

ZERANOL (Growth Promoting Agent محفز النمو)				
Acceptable Daily Intake (ADI)		0-0.5 µg/kg body weight		
Residue Definition		Zeranol		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	2	CAC 21 (1995)	
	Liver	10		

ZILPATEROL (Growth Promoting Agent محفز النمو)				
Acceptable Daily Intake (ADI)		0.083 µg/kg body weight		
Species	**Tissue**	**MRL (µg/kg)**	**Referance**	**Notes**
Cattle	Muscle	2	Canadian MRL(2011)	
	Liver	5		
	Kidney	5		

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