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

This document is a draft GSO Standard circulated for comments. It is, therefore, subject to alteration and modification and may not be referred to as a GSO Standard until approved by GSO.

هذه الوثيقة مشروع لمواصفة قياسية خليجية تم توزيعها لإبداء الرأي والملحوظات بشأنها، لذلك فإنها عرضة للتغيير والتبديل، ولا يجوز الرجوع إليها كمواصفة قياسية خليجية إلا بعد اعتمادها من الهيئة. 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 ل/مجلس إدارة) هيئة التقييس لدول مجلس التعاون لدول الخليج العربية في اجتماعه رقم () الذي عقد بتاريخ / / ه ، الموافق / / م اعتماد تحديث (اللائحة الفنية) الخليجية (SS 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 "2-TCO5" اللجنة الفنية الفرعية الخليجية لمواصفات المواد المضافة وملوثات الأغذية" المدرجة في خطة (الملكة العربية السعودية). على أن تلغي المواصفة القياسية/اللائحة الفنية الخليجية رقم (/) وتحل 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 قاحذ العينات لتقدير بقايا الأدوية البيطرية في الأغذية –الجزء الجزء الأول: منتجات اللحوم والدواجن " .

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 :

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

Abamectin (Anthelmintic agent مضاد الديدان)							
Acceptable Daily I	ntake (ADI)	0-2 μg/kg body	weight				
Residue Definition		Avermectin B1	Avermectin B1a				
Species	Tissue	MRL (µg/kg)	Referance	Notes			
	Liver	100					
Cattle	Kidney	50	CAC 26 (2003)				
	Fat	100					

Albendazole (An	nthelmintic	نياد الديدان agent	(مد			
Acceptable Daily In	take (ADI)	$0-50 \mu g/kg bod$	y weight			
Residue Definition		Exp milk, 2-aminosulfone metabolite: milk not yet identified				
Species	Tissue	MRL (µg/kg)	Referance	Notes		
	Muscle	100				
	Liver	5000				
Not specified	Kidney	5000	CAC 20 (1993)			
	Fat	100	-			
	Milk (µg/l)	100	-			

Amoxicillin (A	Antimicrol	روبات bial agent	(مضاد الميكر			
Microbiologica Acceptable Da (ADI)			0.002 mg/kg body weight based on the effects of Amoxicillin the intestinal microbiota			
Acute Referen	ce Dose	0.005 mg/kg bw intestinal microl		ological effects on the		
Estimated Dietary Expos	Chronic ure		er day (for the gen f the upper bound o	eral population), which of the mADI		
Estimated Act Exposure	ite Dietary	 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 Defini	ition	Amoxicillin				
Species	Tissue	MRL (µg/kg)	Referance	Notes		
	Muscle Liver	50 50	-			
Cattle	Kidney	50				
	Fat	50				
	Milk	4	CAC 35 (2012)			
	Muscle	50				
	Liver	50				
Sheep	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 100 ug/kg body weight (ADI)						
Acute Reference	e Dose	0.012 mg/kg bw	0.012 mg/kg bw based on the microbiological end-point.			
Estimated Dietary Exposu	Chronic re	$0.29 \ \mu$ g/kg bw per day (for the general population), which represents 10% of the upper bound of the ADI.				
Estimated Dietary Exposu	Acute re	 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 Definit	ion	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 (A	Amprolium (Anticoccidial drugs مضاد الطفيليات)					
Acceptable Daily (ADI)	^v Intake	100 ug/kg body we	100 ug/kg body weight			
Species	Tissue	MRL (µg/kg)	Referance	Notes		
	Muscle	500				
	Liver	500	Canadian MRL,			
Cattle	Kidney	500	2011			
	Fat	2000				
	Muscle	200	EMEA/MRL/76 7/00-FINAL			
Chicken	Liver	200	(2001)			
	Kidney	400				

	Skin/fat	200		
	Eggs	1000		
	Muscle	200		
	Liver	200	EMEA/MRL/76 7/00-FINAL (2001)	
Turkey	Kidney	400	(2001)	
	Skin/fat	200		

Apramycin	Apramycin (Aminoglycosides Antibiotics مضاد البكتريا)					
Acceptable Dat (ADI)	ily Intake	$0-30 \mu g/kg body$	weight			
Species	Tissue	MRL (µg/kg)	Referance	Notes		
	Muscle	50				
	Liver	2000				
~ .			Australian			
Cattle	Kidney	20000	standard MRL,			
			2012			
	Fat	2000				
	Muscle	50				
	Liver	2000				
	LIVEI	2000	A (1'			
Sheep	Kidney	2000	Australian standard MRL,			
	Klulley	2000	2012			
	Fat	2000				
	Muscle	50				
Goat			Australian			
Goat			standard MRL,			
			2012			

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

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

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

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

Avermectin (Aminoglycosides Antibiotics مضاد البكتريا)					
Acceptable Daily (ADI)	y Intake	$0 -2 \mu g/kg$ body we	eight		
Species	Tissue	MRL (µg/kg)	Referance	Notes	
	Muscle	5	Australian standard MRL, 2012		
	Liver	100			
Cattle	Kidney	50	CAC/MRL 2- 2011		
	Fat	100	2011		
	Milk (µg/l)	20	Australian standard MRL, 2012		
Sheep	Muscle	20	EMEA/MRL/86 5/03-FINAL June 2004		
r	Liver	50	Australian standard MRL,		

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

Avilamycin (Ant	imicrobial	اد البکتریا Drugs	(مض	
Acceptable Daily In	take (ADI)	0-50 µg/kg bod	ly weight	
Residue Definition			inosulfone metabo	olite: milk not yet
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	100		
	Liver	5000	CAC 32 (2009)	
Chicken	Kidney	5000		
	Fat	100		
	Muscle	200		
Turkey	Liver	300	CAC 32 (2009)	
	Kidney	200		
	Fat/skin	200		

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

Bacitracin (A	Antimicrobia	میکروبات l Drugs	(مضاد ال	
Acceptable Daily Intake (ADI)		0-1 mg/kg body v	weight	
Species	Tissue	MRL (µg/kg)	Referance	Notes
Camel	Milk(µg/l)	500		
	Muscle	500	-	
			Australian	
	Liver	500	standard MRL,	
Chicken			2012 Canadian MRL,	
	Kidney	500	2011	
	Fat	500		
	Eggs	500		
	Muscle	500		
	Liver	500	Canadian MRL,	
Turkey	17:1		2011	
·	Kidney	500		
	Fat			
	1	500		

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

أدوية الجهاز التنفسي Bromhexine (RESPIRATORY SYSTEM DRUGS)					
Acceptable Daily Intake0.3 mg/kg per person(ADI)					
Species	Tissue	MRL (µg/kg) Referance Notes			
Cattle	Not applicable	No MRL required	Commission		
Poultry	Not applicable	No MRL required	regulation (EU) No 37/2010		

(مضادات الالتهابات الغير ستيرودية Anti-Inflammatories)					
Acceptable Daily Intake (ADI)		8.6 μg/kg body weight			
Species	Tissue	MRL (µg/kg)	Referance	Notes	
Muscle	Muscle	500			
Cattle	Liver	1000	Commission regulation (EU) No 37/2010		
Cattle	Kidney	1000	Emea/mrl/042/9		
	Fat	1000			

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

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

Kidney	20	
Fat	20	
Milk (µg/l)	10	

Ceftiofur (A	ntimicrobia	نياد البكتريا l Agent	(مح		
Acceptable Dai (ADI)	ly Intake	0 - 50 μg/kg body	/ weight		
Residue Definit	tion	Desfuroylceftiofu	ır		
Species	Tissue	MRL (μg/kg) Referance Notes			
	Muscle	1000			
	Liver	2000	_		
Cattle	Kidney	6000	CAC 23 (1999)		
	Fat	2000			
	Milk (µg/l)	100			

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

Milk	100	
(µg/l)		

(مضاد البكتريا				
Acceptable Daily Int	ake (ADI)	0-30 µg/kg bod	y weight	
Residue Definition			ngly or in comb	ination
Species	Tissue	MRL (µg/kg)	Referance	Notes
-	Muscle	200		
	Liver	600	CAC 26	
Cattle	Kidney	1200	(2003)	
	Milk (µg/l)	100		
Sheep	Muscle	200	CAC 26 (2003)	
	Liver	600		
	Kidney	1200		
	Milk (µg/l)	100		
	Muscle	200		
	Liver	600	CAC 26	
Poultry	Kidney	1200	(2003)	
	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 0.05 mg/kg body weight (ADI)					
Species	Tissue	MRL (µg/kg)	Referance	Notes	
Pigeon	No MRL required	Not applicable	Commission Regulation (Eu) No 37/2010		

Clenbuterol (a	drenoceptor a	اد البکتریا agonist	(مضد				
Acceptable Daily	Intake (ADI)	0-0.004 µg/kg l	0-0.004 µg/kg body weight				
Residue Definition	n	Clenbuterol					
Species	Tissue	MRL (µg/kg)	Referance	Notes			
-	Muscle	0.2		Due to the potential			
	Liver	0.6	-	abuse of this drug, the			
	Kidney	0.6	-	MRLs are			
	Fat	0.2	-	recommended only			
Cattle	Milk	0.05	CAC 26	when associated with			
	(µg/l)		(2003)	a nationally approved			
				therapeutic use, such			
				as tocolysis or as an adjunt therapy in			
				respiratory diseases			
	Muscle	0.2		Due to the potential			
	Liver	0.6		abuse of this drug, the			
	Kidney	0.6		MRLs are			
	Fat	0.2	CAC 26	recommended only			
Horse			(2003)	when associated with			
110150			(2003)	a nationally approved			
				therapeutic use, such			
				as tocolysis or as an			
				adjunt therapy in			
				respiratory diseases			

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

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

Cloprostenol (Hormones الهرمونات)					
Acceptable Daily Intake0.075 μg/kg per person(ADI)					
Species	Tissue	MRL (µg/kg)	Referance	Notes	
	Edible	No need to	Annex 11of		
Cattle	tissues	establish	Council regulation		
			(EEC)No 2377/90		

Closantel (A	nthelmintic	ضاد الديدان agents	(م			
Acceptable Dat (ADI)	Acceptable Daily Intake		0-30 μg/kg body weight			
Species	Tissue	MRL (µg/kg)	Referance	Notes		
-	Muscle	1000				
	Liver	1000				
Cattle K	Kidney	3000	CAC 20 (1993)			
	Fat	3000	_			
	Muscle	1500				
Sheep	Liver	1500	CAC 20 (1993)			

	Kidney	5000		
Sheep	Fat	2000	CAC 20 (1993)	

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

Colistin (Antim	icrobial Drug	(مضاد البكتريا gs		
Acceptable Daily I	ntake (ADI)	0-7 μg/kg body	weight	
Residue Definition	l	Sum of colistin	A and colistin B	
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	150		
Cattle Fa	Liver	150	CAC 31 (2008)	
	Kidney	200		
	Fat	150		
	Milk (µg/l)	50		

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

Liver	150	
Kidney	200	
Fat	150	

Cyfluthrin (ins	شري ecticide	(مبيد ح		
Acceptable Daily	Intake (ADI)	0-20 µg/kg bod	y weight	
Residue Definition	1	Cyfluthrin		
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	20		
Cattle	Liver	20	CAC 26 (2003)	
	Kidney	20		
	Fat	200		
	Milk (µg/l)	40		

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

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

Cypermethrin A	and Alpha-	Cypermethrin	ب insecticide)	(مبيد حشر ي	
Acceptable Daily In	Acceptable Daily Intake (ADI)		0-20 μg/kg body weight for both Cypermethrin And Alpha-Cypermethrin		
Residue Definition				resulting from the use of thrin as veterinary drugs	
Species	Tissue	MRL (µg/kg)	Referance	Notes	
	Muscle	50			
	Liver	50	CAC 29 (2008)		
Cattle	Kidney	50			
	Fat	1000			
	Milk (µg/l)	100			
	Muscle	50	CAC 29 (2008)		
<i></i>	Liver	50			
Sheep	Kidney	50			
	Fat	1000			

Danofloxacin (A	ntimicrobia	al Drugs البكتريا	(مضاد	
Acceptable Daily In	take (ADI)	0-20 µg/kg bod	y weight	
Residue Definition	,,	Danofloxacin		
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	200		
	Liver	400	CAC 24	
Cattle	Kidney	400	(2001)	
	Fat	100		
	Muscle	200	CAC 24 (2001)	
	Liver	400		
Shicken	Kidney	400		
	Fat	100		Fat/skin in normal proportion

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

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

Deltamethrin (i	ي nsecticide	(مبید حشر				
Acceptable Daily Intake (ADI)		0-10 µg/kg bod	0-10 μg/kg body weight			
Residue Definition		Deltamethrin				
Species	Tissue	MRL (µg/kg)	Referance	Notes		
	Muscle	30				
	Liver	50	-			
Cattle	Kidney	50	CAC 26 (2003)			
	Fat	500				
	Milk (µg/l)	30				
	Muscle	30				
	Liver	50				
Chicken	Kidney	50	CAC 26 (2003)			
	Fat	500				
	Eggs	30				

Salmon	Muscle	30	CAC 26 (2003)	
	Muscle	30		
C1	Liver	50	CAC 26	
Sheep	Kidney	50	(2003)	
	Fat	500		

Derquantel (Antl	nelmintic a	ضاد الديدان gents	(م	
Acceptable Daily Int	ake (ADI)	0-0.3 µg/kg boo	ly weight	
Residue Definition		Derquantel		
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	0.3		
C1	Liver	0.8	CAC 38	
Sheep	Kidney	0.4	(2015)	
	Fat	7		

Dexamethasone	(glucocortio	تیرودیة costeroid	ات الالتهابات السن	(مضاد
Acceptable Daily In	take (ADI)	0-0.015 µg/kg ł	oody weight	
Residue Definition		Dexamethasone	e	
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	1		
Cottle	Liver	2	CAC 32	
Cattle	Kidney	1	(2009)	
	Milk (µg/l)	0.3		

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

Diazinon (Ecto	oparasiticides	فيليات الخارجية 5	(مضادات الط	
Acceptable Daily	Intake (ADI)	0-0.002 mg/kg	body weight	
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	20		
Cattle	Liver	20	Commission regulation (EU) No 37/2010	
	Kidney	20		
	Fat	700		
	Milk (µg/l)	20		

Diclazuril (anti	protozoal age	ادات الطفيليات ent	(مض		
Acceptable Daily	Intake (ADI)	0-0.30 µg/kg bo	ody weight		
Residue Definition	1	Diclazuril			
Species	Tissue	MRL (µg/kg)	Referance	Notes	
	Muscle	500 3000			
poultry	Kidney	2000	CAC 23 (1999)		
	Fat/skin	1000			

	Muscle	500		
	Liver	3000	CAC 22	
Rabbit	Kidney	2000	CAC 23 (1999)	
	Fat	1000		
	Muscle	500		
	Liver	3000		
Sheep	Kidney	2000	CAC 23 (1999)	
	Fat	1000		

Diclofenac (An	ti-Inflammat	ories non Steroid	، غير الستيرودية lal	(مضادات الالتهابات
Acceptable Daily	Intake (ADI)	0.5 μg/kg body	weight	
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	5		
	Liver	5	Commission regulation (EU)	
Cattle	Kidney	10	No 37/2010	
	Fat	1		
	Milk (µg/l)	0.1		

Acceptable Daily	Intake (ADI)	10 µg/kg body weight		
Species	Tissue	MRL (µg/kg)	Referance	
	Muscle	500		
	Liver	3000	Commission Regulation	
Cattle	Kidney	2000	(Eu) No 37/2010	
	Fat	1000		
Sheep	Muscle	400		
	Liver	1400	Commission	-
	Kidney	800	Regulation (Eu) No 37/2010	_
	Fat	100		
	Muscle	400		
	Liver	1400	Commission Regulation	
Goat	Kidney	800	(Eu) No 37/2010	
	Fat	100		
	Muscle	300		
	Liver	1900	Commission Regulation	
Poultry	Kidney	600	(Eu) No 37/2010	
	Fat/skin	400	1	

Dihydrostrepto				(مضاد الميكروبات _{1gs}	
Residue Definition		0-50 μg/kg body weightSum of dihydrostreptomycin and streptomycin			
Species	Tissue	MRL (μg/kg)		Notes	
species	Muscle	600	Kelerance	Notes	
	Liver	600	-		
	Livei	000	CAC 24		
Cattle	Kidney	1000	(2001)		
	Fat	600			
	Milk	200	CAC 26		
	(µg/l)		(2003)		
	Muscle	600	CAC 24 (2001)		
	Liver	600			
Chicken	Kidney	1000			
	Fat	600			
	Muscle	600			
	Liver	600	-		
		000	CAC 24		
Sheep	Kidney	1000	(2001)		
	Fat	600			
	Milk (µg/l)	200	CAC 26 (2003)		

Diminazene (tryp	بات anocide	(مضادات الطفيلي		
Acceptable Daily Int	ake (ADI)	0-100 µg/kg bo	dy weight	
Residue Definition		Diminazene		
Species	Tissue	MRL (µg/kg)	Referance	Notes
•	Muscle	500		
	Liver	12000	CAC 22	
Cattle	Kidney	60000	(1997)	
	Milk (µg/l)	150		LOQ of the analytical method

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

Acceptable Daily Residue Definitio		0-1 μg/kg body weight Doramectin				
Species	Tissue	MRL (μg/kg) Referance Notes				
operes	Muscle	10		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	CAC 22			
	Kidney	30	(1997)			
Cattle	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		

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

All mammalian food producing species	Not applicable	No MRL required	Commission Regulation (Eu) No 37/2010	
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Doxycycline (Ant	timicrobial	میکروبات Drugs	(مضاد ال	
Acceptable Daily Int	ake (ADI)	0-3 μg/kg body	weight	
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	100		
Cattle	Liver	300	Commission regulation (EU) No 37/2010	
	Kidney	600		
	Muscle	100	Commission regulation (EU) No 37/2010	
Doultwy	Liver	300		
Poultry	Kidney	600		
	Fat/skin	300		

مضاد الطفيليات Emamectin Benzoate (antiparasitic agent)				
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	11 µg/person per day, which represents approximately 37% of			
Exposure	the upper bound of the ADI (JECFA78)			
Residue Definition	Emamectin B1a			

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

Acceptable Daily	Intake (ADI)	2 µg/kg body w	veight	
Species	Tissue	MRL (μg/kg)	Referance	Notes
	Muscle	100		
	Liver	300	-	
Cattle	Kidney	200	Commission	
	Fat	100	Regulation (Eu) No 37/2010	
	Milk (µg/l)	100	-	
	Muscle	100		
	Liver	300		
Goat	Kidney	200	Commission Regulation (Eu) No 37/2010	
	Fat	100	110 57/2010	
	Milk (µg/l)	100		
	Muscle	100		
Poultry	Liver	200	Commission Regulation (Eu) No 37/2010	
	Kidney	300		

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

Epinephrine (Cardiovascul	ية ar System Drugs	أدوية جهاز الأوعية القلب)
Acceptable Daily (ADI)	Intake	0.3 mg per person	1	
Species	Tissue	MRL (µg/kg)	Referance	Notes
All food producing species	Not applicable	No MRL required	Commission Regulation (Eu) No 37/2010	

Eprinomectin (a	Inthelmintic	agent الديدان.	(مضاد		
Acceptable Daily In	take (ADI)	0-10 µg/kg bod	y weight		
Residue Definition		Eprinomectin B	1a		
Species	Tissue	MRL (µg/kg)	Referance	Notes	
	Muscle	100			
	Liver	2000			
Cattle	Kidney	300	CAC 26 (2003)		
	Fat	250			
	Milk (µg/l)	20			

ERYTHROMY	C IN (Antin	nicrobial agent	مضاد الميكروبات)
Acceptable Daily In	take (ADI)	0-0.7 µg/kg boo	ly weight	
Residue Definition		Erythromycin A		
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	100		
Li	Liver	100		
Chicken	Kidney	100	CAC 31 (2008)	
	Fat	100		The MRL includes skin + fat
	Eggs	50		
	Muscle	100		
Li	Liver	100	CAC 31	
Turkey	Kidney	100	(2008)	
	Fat	100		The MRL includes skin + fat

ESTRADIOL-	17BETA (pr	تاج oduction aid	(مساعد ان				
Acceptable Daily Intake (ADI)		unnecessary (JI (JECFA52)	unnecessary (JECFA32); 0-0.05 µg/kg weight (JECFA52)				
Residue Definition	n	Estradiol-17bet	a.				
Species	Tissue	MRL (µg/kg)	Referance	Notes			
	Muscle	unnecessary					
Cattle	Liver	unnecessary	CAC 21				
Cattle	Kidney	unnecessary	(1995)				
	Fat	unnecessary	-				

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

FEBANTEL/FF	NBENDA	ZOLE/OXFEN	DAZOLE (a	nthelmintic agent		
(مضاد الديدان						
Acceptable Daily In	ntake (ADI)	Group ADI of ()-7 μg/kg body v	weight		
Residue Definition		sulphone, expre equivalents	Sum of fenbendazole, oxfendazole and oxfendazole sulphone, expressed as oxfendazole sulphone			
Species	Tissue	MRL (µg/kg)	Referance	Notes		
	Muscle	100				
Cattle Fat	Liver	500				
	Kidney	100	CAC 23 (1999)			
	Fat	100				
	Milk (µg/l)	100				
	Muscle	100				
	Liver	500	CAC 23			
Goat	Kidney	100	(1999)			
	Fat	100				
Harra	Muscle	100	CAC 23			
Horse	Liver	500	(1999)			

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

Florfenicol (Ant	imicrobial I	الميكروبات Drugs	(مضاد	
Acceptable Daily In	Acceptable Daily Intake (ADI)		weight	
Residue Definition		Erythromycin A	A	
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	200		
			Canadian MRL	
	Liver	2000	(2011)	
Cattle				
	Kidney	500	Australian	
	2		standard MRL,	
			2012	
	Muscle	500		
Fish			Australian	
1/1811			standard MRL,	
			2012	

FLUAZURON (i	nsecticide	(مبيد حشري		
Acceptable Daily Int	ake (ADI)	$0-40 \mu g/kg bod$	y weight	
Residue Definition		Fluazuron		
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	200		
	Liver	500	CAC 23	
Cattle	Kidney	500	(1999)	
	Fat	7000		

FLUBENDAZ	OLE (antheli	دان mintic agent	(مضاد الدير	
Acceptable Daily	Intake (ADI)	0-12 µg/kg bod	y weight	
Residue Definition	n	Flubendazole		
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	200		
Poultry	Liver	500	CAC 21 (1995)	
	Eggs	400		

FLUMEQUIN	E (Antimicro	وبات bial agent	(مضاد الميكر		
Acceptable Daily	Intake (ADI)	0-30 µg/kg boo	dy weight		
Residue Definition	n	Flumequine			
Species	Tissue	MRL (µg/kg)	Referance	Notes	
	Muscle	500			
	Liver	500	CAC 28		
Cattle	Kidney	3000	(2005)		
	Fat	1000			

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

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

GENTAMICIN	(Antimicrob	فروبات ial agent	(مضاد الميك		
Acceptable Daily Intake (ADI)		0-20 µg/kg boo	dy weight		
Residue Definition	n	Gentamicin	· · ·		
Species	Tissue	MRL (µg/kg)	Referance	Notes	
Musc	Muscle	100			
	Liver	2000	-		
Cattle	Kidney	5000	CAC 24 (2001)		
	Fat	100			
	Milk (µg/l)	200	-		

GONADOTROPHIN (Hormones الهرمونات)				
Acceptable Daily Intake42.25 I.U. /kg body weight(ADI)				
Species	Tissue	MRL (µg/kg)	Referance	Notes
All food producing species	Not applicable	No MRL required	Commission Regulation (Eu) No 37/2010	

HALOFUGIN	ONE HYDR	OBROMIDE	(antiparasitic a	aent (مضاد الطفيليات)
Acceptable Daily Intake (ADI) 0.0003 mg/kg body weight				
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	10	Australian	
	Liver	30	standard MRL,	
Cattle	Kidney	30	2012	
	Fat	25	Canadian	
			MRL(2011)	
	liver	100	Australian)
			standard MRL,	
Chicken			2012	
			Canadian	
			MRL(2011	

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

IMIDOCARB (a	intiprotozoal	الطفيليات agent	(مضاد	
Acceptable Daily Int	take (ADI)	$0-10 \ \mu g/kg \ boc$	ly weight	
Residue Definition		Flumequine	• •	
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	300		
Cattle	Liver	1500		
	Kidney	2000	CAC 28 (2005)	
	Fat	50		
	Milk (µg/l)	50		

ISOMETAMIDI	UM (Trypa	الطفيليات nocide	(مضاد	
Acceptable Daily Int	ake (ADI)	0-100 µg/kg bo	ody weight	
Residue Definition		Flumequine		
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle Liver	100	-	
Cattle		500	CAC 21	
Cattle	Kidney	1000	(1995)	
	Fat	100		

Milk (µg/l)	100		
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IVERMECTIN	IVERMECTIN (anthelmintic agent مضاد الديدان)					
Acceptable Dai (ADI)	ly Intake	0-10 μ g/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 μ g/kg bw was withdrawn. (JECFA81)				
Estimated Dietary Exposu	Chronic re	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	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 Acu Exposure	te Dietary	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 μ g/kg bw for the general population and 87 μ g/kg bw for children, corresponding, respectively, to 27% and 43% of the ARfD. (JECFA81)				
Residue Definit	tion	Ivermectin B1a				
Species	Tissue	MRL (µg/kg)	Referance	Notes		
	Muscle	30 800				
Cattle	Kidney		CAC 40 (2017)			
	Milk	10				

	Liver	15		
Shoop			CAC 20 (1993)	
Sheep	Fat	20		

(أدوية الجهاز العصبي Nervous System Drugs)					
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 Int	ake (ADI)	0.001 mg/kg bo	ody weight	
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	50		
	Liver	50	Australian standard MRL,	
Cattle	Kidney	50	2012, Canadian	
	Fat	50	MRL(2011)	
	Milk (µg/l)	50		

لمضاد الديدان LASALOCID SODIUM (anthelmintic agent)				
Acceptable Daily Intake (ADI)	$0-5 \ \mu g/kg$ 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 Defini	tion	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		
	Muscle	400				
	Liver	1200	CAC 40 (2017)			
Chicken	Kidney	600	CAC 40 (2017)			
-	Skin + fat	600	-			
	Muscle 400					
T 1	Liver	1200	CAC 40 (2017)			
Turkey	Kidney	600				
	Skin + fat	600	-			
	Muscle	400				
	Liver	1200	CAC 40 (2017)			
Quail	Kidney	600				
	Skin + fat	600	1			
	Muscle	400				
Pheasant	Liver	1200	CAC 40 (2017)			
	Kidney	600				

Skin + fat	600		
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Acceptable Daily Intake (ADI)		0-6 μg/kg body weight				
Residue Defin	ition	Levamisole				
Species	Tissue	MRL (µg/kg)	Referance	Notes		
	Muscle	10				
	Liver	100	-			
Cattle			CAC 22 (1997)			
Cuttie	Kidney	10				
	Skin	10				
	Muscle	10				
	Liver	100	CAC 22 (1997)			
Poultry	Kidney	10				
	Fat	10	-			
	Muscle	10				
Sheep	Liver	100				
	Kidney	10				
	Fat	10				

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

LUFENURON (insecticide مبيد حشري)					
Acceptable Dail (ADI)	y Intake	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	e 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 Dietary Exposur	Chronic e				
Residue Definition		Lufenuron			
Species	Tissue	MRL (µg/kg)	Referance	Notes	
Salmon	Fillet	1350	CAC 41 (2018)		
Trout	Fillet	1350	CAC 41 (2018)		

MADURAMIC	IN AMMO	NIUM (coccidi	مضاد الطفيليات al)
Acceptable Daily Ir	ntake (ADI)	0.001 mg/kg b	ody weight	
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	100	Australian	
	Liver	1000	standard MRL, 2012,	
Chicken	Kidney	1000		
	Fat /skin	400	Canadian MRL(2011)	

MARBOFLOXA	CIN (antii	nicrobial agent	(مضاد الميكروبات	
Acceptable Daily In	take (ADI)	4.5 µg/kg body	weight	
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	150		
	Liver	150		
Cattle	Kidney	150	EMEA/MRL/0 79/1996	
	Fat /	50		
	Milk	75		

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

	Liver	400	81/01-FINAL (2001)	
	Kidney	60		
	Fat	60		
	Liver	60		
Goat	Kidney	400	EMEA/MRL/7	
Goal	Fat	60	81/01-FINAL (2001)	
	Liver	60		

MELENGESTROL ACETATE (production aid مساعد النمو)						
Acceptable Da (ADI)	aily Intake	0-0.03 μg/kg bo	dy weight			
Residue Defin	ition	Melengestrol ac	etate			
Species	Tissue	MRL (µg/kg)	Referance	Notes		
.	Muscle	1				
Cattle	Liver	10	CAC 32 (2009)			
	Kidney	2				
	Fat	18]			

(مضاد الالتهابات الغير (Anti-Inflammatories non Steroidal)					
ستيرودية					
Acceptable Daily Inta	ake (ADI)	0.0001 µg/kg b	ody weight		
Species	Tissue	MRL (µg/kg)	Referance	Notes	
Cattle	Muscle	10	Australian standard MRL, 2012		

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

Methyl benzoq	uate (coccid	نضاد الطفيليات ial	۵)	
Acceptable Daily Intake (ADI) 0.005 mg/kg body weight				
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	100	Australian standard MRL,	
Chicken	Liver	100	2012	
Chicken	Kidney	100		
	Fat /skin	200	Canadian MRL (2011)	

MONENSIN (antimicrobial agent مضاد الميكروبات)				
Acceptable Dail (ADI)	y Intake	$0-10 \ \mu\text{g/kg}$ 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 Dieta 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 Definiti	on	Monensin		
Species	Tissue	MRL (µg/kg)	Referance	Notes
Cattle	Muscle	10	CAC 32 (2009)	
Cattle	Cattle Liver		CAC 35 (2012)	

	Kidney	10		
	Fat	100		
	rat	100	CAC 32 (2009)	
	Milk	2		
	Muscle	10		
	Liver	20	CAC 32 (2009)	
Sheep	Kidney	10		
	Fat	100	-	
	Muscle	10		
	Liver	20	CAC 32 (2009)	
Goats	Kidney	10	CAC 32 (2009)	
	Fat	100	_	
	Muscle	10		
	Liver	10	CAC 32 (2009)	
Chicken	Kidney	10	CAC 32 (2009)	
	Fat	100		
	Muscle 10			
	Liver	10	CAC 22 (2000)	
Turkey	Kidney	10	CAC 32 (2009)	
	Fat	100		

	Muscle	10		
	Liver	10	CAC 32 (2009)	
Quail	Kidney	10	CAC 52 (2007)	
	Fat	100		

MONEPANTI	EL (Anthe	lmintic 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	e Dose	Unnecessary				
Estimated Dieta Exposure	ary	 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 Defini	Residue Definition N		Monepantel sulfone, expressed as monepantel			
Species	Tissue	e MRL (μg/kg) Referance Notes		Notes		
	Muscle Liver	500 7000	CAC 38 (2015)			
Sheep	Kidney	1700				
	Fat	13000				
	Muscle	300				
Cattle	Liver	2000	CAC 41 (2018)			
	Kidney	1000	1			

Fat	7000	

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

NARASIN (ai	ntimicrobi	al agent بکروبات	(مضاد المي			
Acceptable Da (ADI)	•	$0-5 \ \mu g/kg$ bw on the basis of a NOAEL of 0.5 mg/kg bw per day and a safety factor of 100.				
Residue Defini	ition	Narasin A				
Species	Tissue	MRL (µg/kg)	Referance	Notes		
	Muscle	15				
Cattle K	Liver	50	CAC 35 (2012)			
	Kidney	15				
	Fat	50				
	Muscle	15				
Chicken	Liver	50	CAC 32 (2009)			
	Kidney	15				
	Fat	50				

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

Acceptable Daily Intake (ADI)		0-60 μg/kg body	0-60 μg/kg body weight				
Residue Definition		Neomycin					
pecies	Tissue	MRL (µg/kg)	Referance	Notes			
	Muscle	500	CAC 23 (1999)				
	Liver	500					
Cattle			CAC 28 (2005)				
	Kidney	10000					
	Fat	500	CAC 23 (1999)				
	Milk	1500	CAC 28 (2005)				
	Muscle	500					
			_				
	Liver	500					
Chicken	Kidney	10000	CAC 23 (1999)				
			_				
	Fat	500					
	Eggs	500					
	Muscle	500					
	Widsele	500					
	Liver	500					
Duck	Vidnor	10000	CAC 23 (1999)				
	Kidney	10000					
	Fat	500	-				
	Muscle	500					
Goat	Liver	500	CAC 23 (1999)				
	Kidney	10000	4				

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

NICARBAZIN (antiprotozoal agent مضادات الطفيليات)						
Acceptable Dai (ADI)	ly Intake	0-400 μg/kg body weight.				
Residue Definit	tion	N'-bis(4-nitroph	eyl)urea,			
Species	Tissue	MRL (µg/kg) Referance Notes				
	Muscle	200	CAC 23 (1999)	Broilers		
	Liver	200		Broilers		
Chicken Kidn		200		Broilers		
	Fat	200	-	Broilers		

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

	Muscle	100		
	Liver	1000		
Cattle	Kidney	500	EMEA/MRL/56	
	Fat	100	5/99-FINAL (1999)	
	Milk	100		
	Muscle	100		
	Liver	1000		
Sheep	Kidney	500	EMEA/MRL/56 5/99-FINAL	
	Fat	100	(1999)	
	Milk	100		
	Muscle	100		
	Liver	1000		
Goat	Kidney	500	EMEA/MRL/56 5/99-FINAL	
	Fat	100	(1999)	
	Milk	100		

Acceptable Daily Intake (ADI)		0-20 μg/kg body weight		
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	1000		
	Liver	1000	-	
Cattle			Australian	
	Kidney	1000	standard MRL, 2012	
	Fat	1000		
	Muscle	1000		
	Liver	1000	-	
C (1000	Australian	
Goat	Kidney	1000	standard MRL, 2012	
	Fat	1000		
	Muscle	1000		
	Liver	1000	-	
Shoop			Australian	
Sheep	Kidney	1000	standard MRL, 2012	
	Fat	1000	4	

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

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Kidney	50	
Milk	100	

أدوية المضادة للفطريات Antifungal drugs)						
Acceptable Dat	ily Intake	Not established				
(ADI)						
Species	Tissue	MRL (µg/kg)	Referance	Notes		
	Edible	Withdrawn				
Cattle	tissues	(for topical use				
		only)	EMEA/MRL/CVMP/151/9			
	Edible	Withdrawn	9			
Poultry	tissues	(for topical use				
		only)				

Acceptable Daily Intake (ADI)		0.00075 μg/kg body weight		
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	100		
Cattle	Liver	100	Australian standard MRL, 2012	
K	Kidney	100		
	Muscle	100		
Sheep	Liver	100	100Australian standard MRL,1002012	
	Kidney	100		
	Muscle	100		
Goat	Liver	100	Australian standard MRL,	
	Kidney	100	2012	

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

ORMETOPRIM (Anticoccidial drugsمضاد الطفيليات)					
Acceptable Dail	y Intake	4 μg/kg body we	eight		
(ADI)	(ADI)				
Species	Tissue	MRL (µg/kg)	Referance	Notes	
	Muscle	100			
~ 1			Canadian		
Salmon	Skin	100	MRL(2011)		

Acceptable Daily Intake (ADI)		0.03 mg/kg body weight			
Species	Tissue	MRL (µg/kg)	Referance	Notes	
	Muscle	20			
	Liver	500			
Cattle	Kidney	100	EMEA/MRL/88 9/03-FINAL (2004)		
	Fat	20			
	Milk	10			
	Muscle	20			
Sheep	Liver	500	EMEA/MRL/88 9/03-FINAL		
	Kidney	100	(2004)		

Fat	20	

Acceptable Da (ADI)	ily Intake	0-3 μg/kg body weight		
Species	Tissue	MRL (µg/kg)	Referance	Notes
Mu	Muscle	100		
	Liver	300	Australian standard MRL,	
Cattle	Kidney	600	2012	
	Milk	100	Canadian MRL 2011	
	Muscle 100			
Goat	Liver	300	Australian standard MRL, 2012	
	Kidney	600		
	Milk	100	-	
	Muscle	100		
	Liver	300	Australian	
Sheep	Kidney	600	standard MRL, 2012	
	Milk	100	-	
Camel	Muscle	100	Australian	
	milk	100	standard MRL, 2012	
Chicken	Muscle	100	Canadian MRL 2011	

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

(أدوية المضادة للفطريات Antifungal drugs)						
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		
	Muscle Liver	50 50				
Cattle	Kidney	50	COMMISSION REGULATION (EU) NO 37/2010			

Fat		
50	00	
Milk		
5	0	

PHOXIM (ins	ي secticide	(مبيد حشر ي		
Acceptable Da (ADI)	ily Intake	$0-4 \ \mu g/kg \ body$	weight	
Residue Defini	ition	Phoxim		
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	50		
	Liver	50	CAC 26 (2003)	
Goat	Kidney	50		
	Fat	400		
	Muscle	50		
	Liver	50	CAC 26 (2003)	
Sheep	Kidney	50		
	Fat	400	-	

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

Acceptable Daily Intake (ADI)		0-8 μg/kg body weight				
Residue Defir	nition	Pirlimycin				
Species	Tissue	MRL (µg/kg)	Referance	Notes		
	Muscle	100				
	Liver	1000				
	Kidney	400	-			
	Fat	100	-			
Cattle	Milk	100	CAC 29 (2006)	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.		

أدوية الجهاز الهضمي Drugs (Digestive System Drugs)					
Acceptable Daily (ADI)	/ Intake	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 (antimic	crobial agent مضاد الميكروبات)				
Acceptable Daily Intake	Acceptable Daily Intake 4.0 u/ml body weight				

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

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

Acceptable D (ADI)	aily Intake	0.0002 mg/kg b	ody weight	
Species	Tissue	MRL (µg/kg)	Referance	Notes
Cattle Fat Milk	4			
	Liver	10	COMMISSION	
	Kidney	10		
	Fat	4	REGULATION (EU) No 37/2010	
	Milk	6	57/2010	

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

Tissue	MRL (µg/kg)	Referance	Notes
Muscle	50		
Liver	50		
Kidney	50	standard MRL, 2012	
Milk	1.5	-	
	Muscle Liver Kidney	Muscle50Liver50Kidney50	Muscle50Liver50Kidney50Australian standard MRL, 2012

Procaine HCl	(Nervous Sy	لعصبي stem Drugs	(أدوية الجهاز ا	
Acceptable Daily (ADI)	^y Intake	not established		
Species	Tissue	MRL (µg/kg)	Referance	Notes
All food producing species	Not applicable	No MRL required	COMMISSION REGULATION (EU) No 37/2010	

PROGESTER	ONE (pro	انتاج duction aid	(مساعد	
Acceptable Dail (ADI)	y Intake	0-30 μg/kg body	v weight	
Residue Definit	ion	Progesterone		
Species	Tissue	MRL (µg/kg)	Referance	Notes
Cattle	Muscle Liver Kidney Fat	unnecessary unnecessary unnecessary 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.

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

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

RAFOXANIE	DE (Anthel	lmintic agents	(مضاد الديدان		
Acceptable Daily Intake (ADI)		2 μg/kg body weight			
Species	Tissue	MRL (µg/kg)	Referance	Notes	
	Muscle	30			
	Liver	10	EMEA/MRL/63		
	Kidney	40	6/99 FINAL (1999)		
	Fat	30			
	Muscle	100			
Sheep	Liver	150	EMEA/MRL/63		
	Kidney	150	6/99 FINAL (1999)		
	Fat	250			

ROBENIDINI	E HYDRO(CHLORIDE (A	nticoccidial drug	(مضاد الطفيلياتgs
Acceptable Dai (ADI)	ly Intake	0.005 mg/kg boo	dy weight	
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	100	Canadian	
	Liver	100	MRL(2011)	
	Kidney	100	Australian	
Chicken			standard MRL,	
			2012	
	Fat	200	Canadian	
	/skin		MRL(2011)	

ROXARSONE	Growth	Promoting Age	ent محفز النمو)	
Acceptable Dail (ADI)	ly Intake	25 μg/kg body v	veight	
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	500	_	
Chicken	Liver	200	Canadian MRL(2011)	
	Eggs	500		
Turker	Muscle	500	Canadian	
Turkey	Liver	200	MRL(2011)	

SALINOMY	CIN SODIU	M (Anticoccio	طفيليات dial drugs	(مضاد ال
Acceptable Da (ADI)	ily Intake	0.01 mg/kg body weight		
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	50	Australian standard MRL, 2012	
Cattle	Liver	350	Canadian MRL(2011)	
Kidne	Kidney	500	Australian standard MRL, 2012	
	Muscle	100		
	Liver	500	Australian standard MRL, 2012	
Chicken	Kidney	500		
	Fat	350	Canadian MRL(2011)	
	Eggs	20	Australian standard MRL, 2012	

SARAFLOXA	CIN (inse	يد حشري cticide	(مب			
Acceptable Dat (ADI)	ily Intake	0-0.3 μg/kg body weight				
Residue Defini	tion	Sarafloxacin				
Species	Tissue	MRL (µg/kg)	Referance	Notes		
	Muscle	10				
	Liver	80	CAC 24 (2001)			
Chicken Kidne Fat	Kidney	80				
	Fat	20				
	Muscle	10	CAC 24 (2001)			
Turkov	Liver	80				
	Kidney	80				
	Fat	20	-			

SEMDURAMI	CIN (Ant	icoccidial drugs	(مضاد الطفيليات s	
Acceptable Dail (ADI)	y Intake	3 ug/kg body we	ight	
Species	Tissue	MRL (µg/kg)	Referance	Notes
_	Muscle	50	National Registration	
	Liver	500	Authority for Agricultural	
Chicken	Kidney	200	and Veterinary Chemicals, Australia, 2001	
	Fat /skin	500		

Acceptable Daily Intake (ADI)		0-40 μg/kg body weight					
Residue Defin	ition	Spectinomycin					
Species	Tissue	MRL (µg/kg)	MRL (µg/kg) Referance Notes				
	Muscle	e 500					
	Liver	2000	-				
Cattle	Kidney	5000	CAC 23 (1999)				
Cattle	Fat	2000	-				
	Milk µg/l	200					
	Muscle 500						
	Liver	2000	CAC 23 (1999)				
Chicken	Kidney	5000					
	Fat	2000					
	Eggs	2000	-				
	Muscle	500					
	Liver	2000					
Sheep	Kidney	5000					
	Fat	2000					

(مضاد الميكروبات SPIRAMYCIN (antimicrobial agent)						
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				
1						

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

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

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

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

TEFLUBENZURON (insecticide مبيد حشري)				
Acceptable Dail (ADI)	ly Intake	$0-5 \mu g/kg$ 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 ExposureThe EDI is 42.9 μg/person per day, on the basis of a 60 kg individual, which represents approximately 14% of the up bound of the ADI. The GECDE for the general population 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 b per day, which represents 43% of the upper bound of the A The GECDE for infants is 0.9 μg/kg bw per day, which			ximately 14% of the upper r the general population is sents 31% of the upper r children is 2.1 μg/kg bw the upper bound of the ADI.
Residue Definit	ion	Teflubenzuron		
Species	Tissue	MRL (µg/kg)	Referance	Notes
Salmon Ein (400	CAC 40 (2017)	
Sannon	Fillet	400		Muscle plus skin in natural proportion

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

Residue Definition		Testosterone		
Species	Tissue	MRL (µg/kg)	Referance	Notes
Cattle	Muscle Liver Kidney Fat	unnecessary unnecessary unnecessary 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.

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

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

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

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

	Muscle	50	COMMERION	
	Liver	50	COMMISSION REGULATION	
Cattle	Kidney	50	(EU) No	
	Fat	50	37/2010	
	Milk	50	57/2010	
	µg/l			
	Muscle	50	COMMISSION	
Goat	Liver	50	REGULATION (EU) No 37/2010	
	Kidney	50		
Ulai	Fat	50		
	Milk	50		
	µg/l			
	Muscle	50		
	Liver	50	COMMISSION	
61	Kidney	50	REGULATION	
Sheep	Fat	50	(EU) No	
	Milk	50	37/2010	
	(µg/l)			

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

TILMICOSIN (antimicrobial agent مضاد الميكروبات)

Acceptable Daily Intake 0-40 µg/kg body weight

(ADI)					
Residue Defini	ition	Tilmicosin			
Species	Tissue	MRL (µg/kg)	Referance	Notes	
	Muscle	100			
Cattle	Liver	1000	CAC 23 (1999)		
Cattle	Kidney	300	7		
	Fat	100	7		
	Muscle	150			
	Liver	2400	CAC 36 (2011)		
Chicken	Kidney	600			
	Skin/Fa	250			
	t				
	Muscle	100			
Sheep	Liver	1000	CAC 23 (1999)		
Sheep	Kidney	300			
	Fat	100			
	Muscle	100			
Turkey	Liver	1200	CAC 34 (2011)		
	Kidney	1400			
	Skin/Fa	250			
	t				

TOLFENAMIC ACID (Anti-Inflammatories non Steroidal مضادات الألتهابات غير) الستيرودية Acceptable Daily Intake 0-0.1 µg/kg body weight (ADI) Species MRL (µg/kg) Referance Tissue Notes Muscle 50 Liver 400 EMEA/MRL/18 Cattle Kidney 100 3/97 Milk 50 FINAL (1997) $(\mu g/l)$

TOLTRAZUR	IL (Antic	coccidial drugs	(مضاد الطفيليات			
Acceptable Daily Intake (ADI)		0-2 μg/kg body weight				
Residue Definit	ion	Toltrazuril				
Species	Tissue	MRL (µg/kg) Referance Notes				
	Muscle	250				
Cattle	Liver	2000	Australian			
Cattle	Kidney	1000	standard MRL,			
	Fat	1000	2012			
	Muscle	2000				
Chicken	Liver	5000	Australian			
CIIICKEII	Kidney	5000	standard MRL,			
	Eggs	30	2012			

محفز النمو TRENBOLONE ACETATE (Growth Promoting Agent)					
Acceptable Daily Intake0-0.2 μg/kg body weight(ADI)					
Residue Definiti	Residue Definition		Cattle muscle, beta-Trenbolone; Cattle liver, alpha-Trenbolone		
Species	Tissue	MRL (µg/kg)	Referance	Notes	
Cattle Muscle		2	CAC 21 (1995)		
Cattle	Liver	10			

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

TRICHLORFON (Metrifonate)(insecticide (مبيد حشري)					
Acceptable Daily Intake (ADI)		0-2 μg/kg body weight			
Residue Definiti	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)		

TRICLABEN	DAZOLE (Anthelmintic a	مضاد الديدان igent)		
Acceptable Daily Intake (ADI)		0-3 μg/kg body weight				
Residue Defin	ition	Ketotriclabneda	zole			
Species	Tissue	MRL (µg/kg)	Referance	Notes		
•	Muscle	250				
Cattle	Liver	850				
Cattle	Kidney	400	- CAC 32 (2009)			
	Fat	100	1			
	Muscle	200				
Chaon	Liver	300	CAC 22 (2000)			
Sheep	Kidney	200	- CAC 32 (2009)			
	Fat	100				

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

	Milk µg/l	50	2012	
	Muscle	50		
	Liver	50		
C1	Kidney	50	Australian	
Sheep	Fat	50	standard MRL,	
	Milk	50	2012	
	(µg/l)			

TRIMETHO	P RIM (anti	microbial agen	(مضاد الميكروبات t	
Acceptable Daily Intake (ADI)		0.005 mg/kg body weight		
Species	Tissue	MRL (µg/kg)	Referance	Notes
	Muscle	100	Australian standard MRL, 2012	
Cattle	Liver	2000	Canadian MRL 2011	
	Kidney	1000	Australian	
	Fat	100	standard MRL, 2012	

TYLOSIN (an	timicrobia	بكروبات al agent	(مضاد المب		
Acceptable Daily Intake (ADI)		$0-30 \ \mu g/kg$ bw based on a microbiological end-point derived from in vitro MIC susceptibility testing and faecal binding data (MICcalc = 1.698)			
Residue Definit	tion	Tylosin A			
Species	Tissue	MRL (µg/kg)	Referance	Notes	
_	Muscle	100	CAC 32 (2009)		
	Liver	100			
	Kidney	100			
Cattle	Fat	100			
	Milk	100			
	Muscle	100			
	Liver	100	CAC 32 (2009)		
Chicken	Kidney	100] CAU 52 (2009)		
	Skin/Fa	100			
	t				

Eggs 300		
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VIRGINIAMY	CIN (anti	microbial agen	(مضاد الميكروبات t	1		
Acceptable Daily Intake (ADI)		250 μg/kg body weight				
Species	Tissue	MRL (µg/kg)	Referance	Notes		
	Muscle	100				
	Liver	200				
Cattle	Kidney	200	Australian			
	Fat	200	standard MRL,			
	Milk	100	2012			
	µg/l					
	Muscle	200				
	Liver	200				
	Kidney	200	Australian			
Chicken	Fat	200	standard MRL,			
Chiefen	/skin		2012			
	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					
	Liver	5	MRL(2011)					
	Kidney	5						

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