



### Marine Harvest medicine positive list

Company: Marine Harvest Ireland  
Last update: 2011/05/13

Chemical name	Chemical type	Product name	Supplier	Indication	Administration	Dose	Withdrawal period	MRL, production	MRL, more strict markets	MRL, most strict market	Restrictions in ASC standard	Export / sales restrictions*
Vaccine		Alphaject 2-2	Pharmaq Ltd	Prophylactic, IPN, A, salmonicida	I/P injection	0.1ml	Zero	No relevance			No	No. Permitted for organic fish. (AR18 special licence)
Vaccine		Birnaigen Forte	Novartis	Prophylactic, IPN, A, salmonicida	I/P injection	0.1ml	Zero	No relevance			No	No. Permitted for organic fish. (AR18 special licence)
Vaccine		Novax Compact PD	MSD	Prophylactic, PD (SAV)	I/P injection	0.1ml	Zero	No relevance			No	No. Permitted for organic fish.
Azametaphos (50%)	Ectoparasitic	Salmosan	Vet-Aqua International	Sea lice	Bath	0.2ppm for 30-60min	24 hours	Permitted - No MRL	South Africa US	SA- 50 ng/g US- absence	No	Not approved for organic fish. Verification required <50ppb for South Africa and absence/ no detection for US. (AR18 special licence)
Cypermethrin	Ectoparasitic	Excis	Novartis	Antiparasitic treatment for control of sea lice	Bath	0.5ml/m <sup>3</sup>	24 hours (48hrs for Organic fish)	50 ng/g	Australia, Japan US	A-J- 10 ng/g US- absence	No	No. but verification <10ppb required for Australia and Japan and absence/ no detection required for US. Permitted for organic fish.
Emamectin benzoate	Ectoparasitic	SLICE	MSD	Antiparasitic treatment for control of sea lice	Oral	50µg/kg	None (one month applied, 60 days required for export to USA)	100 ng/g	US	US- 60 days withdrawal	No	No but documentation 60 days withdrawal period required for US. Permitted for organic fish.
Deltamethrin	Ectoparasitic	AMX	Pharmaq Ltd	Antiparasitic treatment for control of sea lice	Bath	0.2ml/m <sup>3</sup>	5 degree days, (10 deg. days for organic fish)	10 ng/g	Norway/EU US	NEU- 10 ng/g US- absence	No	No- but verification of absence/ no detection required for US. Permitted for organic fish.
Tribenzuron	Ectoparasitic	Calicide	Pharmaq Ltd	Antiparasitic treatment for control of sea lice	Oral	10mg/kg	7 days	500 ng/g	Canada US	CA- 300 ng/g US- absence	No	Yes- market (no use for US) - verification <200ppb required for Canada. Not permitted in organic fish.
Hydrogen peroxide 35%	Ectoparasitic	Hydrogen peroxide 35%	Central Chemical Supplies, Brenntag	Antiparasitic treatment for control of sea lice	Bath	4 litres/m <sup>3</sup>	24 hours	Not required			No	No. Permitted for organic fish.
Tricaine methate	Anaesthetic	M5222	Pharmaq Ltd	Anaesthetic fish for handling	Bath	7 - 30ppm	70 degree days (140 deg. days for organic fish)	Permitted - No MRL	Canada	20 ng/g	No	No - but verification <20ppb required for Canada. Permitted for organic fish.
Oxytetracycline	Antibacterial	Aquater	Pharmaq Ltd	Antibiotic	Oral	75mg/kg	720 deg. Days (1440 deg. days for organic fish)	100 ng/g	EU	100 ng/g	No	No. Permitted for organic fish.
Oxytetracycline	Antibacterial	Marscycline	Univet	Antibiotic	Oral	75mg/kg	400 deg. Days (800 deg. days for organic fish)	100 ng/g	EU	100 ng/g	No	No. Permitted for organic fish.
Florfenicol	Antibacterial	Florocool	MSD	Antibiotic	Oral	10mg/kg	500 deg. Days	1000 ng/g	Japan, Argentina, Canada	J-A-200 ng/g, CA- 800	No	No- but verification <200ppb required for Japan, Argentina, <80ppb required for Canada. Not permitted for organic fish. (AR18 cascade licence)
Bronopol	Antifungal	Pyozel	Novartis	Fungicide	Bath	30-80mg/l	Zero	Permitted - No MRL			No	
Formaldehyde	Antifungal, Ectoparasitic	Formalin	Central Chemical Supplies	Fungicide, antiparasitic	Bath	150-250ppm	No relevance				No	Not permitted in fish for Plasmon Heinz SRI programme
Chloramine	Antibacterial	Halmid	Pharmaq Ltd	Antiseptic bath for FW	Bath	2-20ppm	No relevance				No	

\*If "Sales/ market restrictions" is indicated with other than "No", consult the Food Safety or Fish Health Manager of your BU to clarify restrictions or measures to be taken pre harvest. Unless otherwise stated, permitted in Organic production.

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