



# OXIFEND® FRUIT COMPLEX

## PRODUCT SPECIFICATION

Product:	<b>Oxifend Fruit Complex</b>
Product code:	XFC
Country of origin:	New Zealand (raw material and manufacture)
Product description:	Oxifend® Fruit Complex is a proprietary blend of New Zealand grown grape, blackcurrant, boysenberry, and kiwifruit skin extracts. Reddish / brown in colour, the extracts have been manufactured using New Zealand Extracts unique 100% Aqua Pure®, extraction process.
Botanical description:	<i>Vitis vinifera; Ribes nigrum, Rubus ursinus, Actinidia deliciosa</i>
Other name:	grape; blackcurrant; boysenberry; kiwifruit grape 84929-27-1; blackcurrant 68606-81-5; boysenberry (hybrid of 84929-76-0 & 73049-50-0); kiwifruit 92456-63-8
CAS number:	
Plant part:	skins and seeds
Solvent:	potable water
Equivalence:	fruit:extract 170:1
Plant preparation:	wash, extract, concentrate, freeze-dry, blend
Excipient:	none
GMO:	non-GMO
Minimum recommended dosage:	500 mg per serve

### Physical, analytical and microbiological detail

Test	Specification	Method
Appearance	Reddish / brown fine powder	Visual
Taste	Astringent	Sensory evaluation
Odour	Light aromatic	Sensory evaluation
Active ingredients	> 450 mg/g phenolics	AOAC 952.03 OMA online (mod)
Mesh size*	> 95% through 40 mesh	Pass
Loss on drying	< 5%	BP or USP loss on drying method
Water activity	< 0.25	AquaLab Operator's manual
Pesticides residue	Complies with MRL limits for markets as specified by MPI managed database when read in conjunction with independent laboratory pesticide test results	Solvent extraction, SPE cleanup, GC-MS/MS and LC-MS/MS analysis <a href="https://www.mpi.govt.nz/resources-and-forms/registers-and-lists/maximum-residue-levels-database/">https://www.mpi.govt.nz/resources-and-forms/registers-and-lists/maximum-residue-levels-database/</a>
Lead (Pb)	< 3.0 ppm	Biological materials digestion ICP-MS
Mercury (Hg)	< 0.1 ppm	Biological materials digestion ICP-MS
Arsenic (As)	< 3.0 ppm	Biological materials digestion ICP-MS
Cadmium (Cd)	< 1.0 ppm	Biological materials digestion ICP-MS
Solubility in water	> 95%	In-house method
Aerobic Plate Count	< 2,000 cfu/g	APHA 8.72 5th Ed
Yeasts and molds	< 2,000 cfu/g	APHA 21.5 (modified) 5th Ed
<i>Escherichia coli</i>	Negative/10g	APHA 9.93 (modified) 5th Ed
<i>Salmonella</i>	Negative/10g	ISO 6579-1:2017
<i>Staphylococcus aureus</i>	Negative/10g	APHA 39.6 (modified) 5th Ed
Shelf Life	24 months (2 years unopened)	
Packing	2 x 10 kg, total net 20 kg, heat sealed, foil laminate bags within individual cartons and then packed together in a heavy-duty cardboard outer.	
Storage	In a cool, dry place away from light	
Certification	Kosher certification is available on request	

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