

## XTRAVIN® GRAPE SEED EXTRACT

### PRODUCT SPECIFICATION

Product:	<b>Xtravin Grape Seed Extract</b>
Product code:	XXGS
Country of origin	New Zealand (raw material and manufacture)
Product description	Xtravin® Grape Seed Extract is from sustainably grown New Zealand Sauvignon blanc grapes, manufactured using New Zealand Extracts unique 100% Aqua Pure® extraction process. This reddish / brown powder is high in natural phenolics and is suitable for a clinician range.
Botanical description:	<i>Vitis vinifera</i>
Other name:	grape
CAS number:	84929-27-1
Plant part:	seed
Solvent:	potable water
Equivalence:	seed:extract 120:1
Plant preparation:	wash, extract, concentrate, freeze-dry
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 berry / grape aromatic	Sensory evaluation
Active ingredients	> 650 mg/g phenolics	AOAC 952.03 OMA online (mod)
Mesh size*	Passes through 50 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, nitrogen flushed, 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	

**Date of Issue:** 21st November 2023

**Replaces:** 21st September 2023