



## 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 BP 2004 Appendix XI L and USP 561	Solvent extraction, SPE cleanup, GC-MS/MS and LC-MS/MS analysis
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:** 19th July 2023

**Replaces:** 29th March 2023