



OXIFEND® GRAPE SEED EXTRACT

PRODUCT SPECIFICATION

Product: **Oxifend Grape Seed Extract**
 Product code: XGS
 Country of origin: New Zealand (raw material and manufacture)
 Product description: Oxifend® Grape Seed Extract is a high-quality extract from sustainably grown New Zealand Sauvignon blanc grapes, manufactured using New Zealand Extracts unique 100% Aqua Pure® extraction process. This reddish-brown free flow powder is high in natural phenolics.
 Botanical description: *Vitis vinifera*
 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*	> 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 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	

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