



# Oxi-fend®

## PRODUCT SPECIFICATION



Product Description		Oxi-fend® Kiwanza kiwifruit extract – water extracted
Extract from:	Botanical name	<i>Actinidia chinensis</i>
	Other name	Kiwifruit
	Plant part	Fruit
	Source	Commercial – GMO free
	Origin	New Zealand
	Identification	HPLC
Extract Ratio (fruit: powder)		50: 1
Preparation		Wash, extract, concentrate, freeze dry
Solvent used		Water
Shelf life		24 months
Storage		In a cool, dry place away from light
Packing		In 10kg cardboard boxes, foil lined

Test	Specification	Method
Appearance	Brown/green powder	Visual
Taste	Astringent	Sensory evaluation
Odour	Light aromatic	Sensory evaluation
Active ingredients	> 30 mg/g phenolic material consisting of:	Folin AOAC 15 <sup>th</sup> Ed 952.03
Antioxidant activity: ORAC	> 3 000µmol Trolox Equivalents/g	ORAC
Cell protection assay	< 15 µg/ml	EC50, human monocyte protection
Mesh size	95% through 40 mesh	Screen
Loss on drying	< 5%	AOAC 12 <sup>th</sup> Edn 950.26 Mod
Pesticides residue	Nil detect for the residues of 200 commonly used agrichemicals.	GC-ECD/NPD confirmed by GC-MS
Heavy metals	< 1.0 ppm	AOAC 935.13 mod/APHA 3120B Acid dig. ICP-OES
Arsenic	< 2.0 ppm	AOAC 935.13 mod/APHA 3120B Acid dig. ICP-OES
Solubility in water	100%	
Total plate count	< 100/g	
Moulds	< 200/g	
Yeasts	< 200/g	Compendium 4 <sup>th</sup> Edn 2001
<i>E.Coli</i>	Nil	Compendium 4 <sup>th</sup> Edn 2001
<i>Salmonella</i>	Nil	Compendium 4 <sup>th</sup> Edn 2001
<i>Pseudomonas</i>	Nil	Compendium 4 <sup>th</sup> Edn 2001
Faecal coliforms	Nil	Compendium 4 <sup>th</sup> Edn 2001
<i>Staphylococcus aureas</i>	Nil	Compendium 4 <sup>th</sup> Edn 2001

Authorised by: Glenn Vile (PhD) (Quality Assurance)	Checked by: Bruce Cardwell (General Manager)
Signature: 	Signature: 
Date: 25 <sup>th</sup> January 2008	Date: 25 <sup>th</sup> January 2008

