

**VINANZA® KIWIFRUIT EXTRACT**


**CERTIFICATE OF ANALYSIS**

**Product:** Kiwifruit Skin Extract  
**Product code:** XKS  
**Batch number:** 15-03  
**Manufacture date:** November 2015  
**Expiry date:** November 2017  
**Country of origin:** New Zealand  
**Botanical description:** *Actinidia deliciosa*  
**Other name:** Kiwifruit  
**Plant part:** Skin  
**Solvent used:** 100% purified water  
**Equivalence:** Skin:extract 50:1  
**Plant preparation:** Wash, extract, concentrate, freeze dry  
**Excipient:** None

**PHYSICAL, ANALYTICAL AND MICROBIOLOGICAL DETAIL**

TEST	SPECIFICATION	RESULT
Appearance	Light fawny/brown powder	Complies
Taste	Astringent	Complies
Odor	Light aromatic	Complies
Active ingredients		
	Phenolics > 30 mg/g phenolics	83 mg/g
	Soluble fibre > 300 mg/g	310 mg/g
Mesh size*	95% through 40 mesh	Complies
Loss on drying	< 5%	0.2 %
Water Activity	< 0.25	0.06
Solubility in warm (45°C) water	> 95%	Complies
Pesticides residue	Complies with BP 2004 Appendix XI L and USP 561	Complies
Lead (Pb)	< 3.0ppm	0.13 ppm
Mercury (Hg)	< 0.1ppm	< 0.05 ppm
Arsenic (As)	< 3.0ppm	< 0.05 ppm
Cadmium (Cd)	< 1.0ppm	< 0.02 ppm
Total plate count	< 2,000 cfu/g	<50 cfu/g
Yeasts and moulds	< 2,000 cfu/g	150 cfu/g
<i>Escherichia coli</i>	Negative/10g	Complies
<i>Salmonella</i>	Negative/10g	Complies
<i>Staphylococcus aureus</i>	Negative/10g	Complies
Storage	In a cool, dry place away from light	
Packing	10kg heat sealed, nitrogen flushed, foil laminate bag within an individual carton.	

\*At the time of manufacture

Authorised by: Glenn Vile (PhD) (Chief Technical Officer)	
Signature:	
Date:	November 2015

Add functionality... naturally!