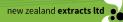
Digesten[®] DIGESTIVE HEALTH



DIGESTEN® KIWIFRUIT SKIN EXTRACT

PRODUCT SPECIFICATION

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Product: Product code:	Digesten Kiwifruit Skin Extract XKS	
Country of origin	New Zealand (raw material and manufacture)	
Product description	Digesten [®] is a water-soluble extract prepared using New Zealand Extracts unique 100% Aqua Pure [®] extraction process from mature kiwifruit skins. This uniquely functional ingredient is light fawny brown in colour, sweet yet mildly astringent in taste, and has no offensive flavours or odours.	
Botanical description:	Actinidia deliciosa	
Other name:	kiwifruit	
CAS number:	kiwifruit 92456-63-8	
Plant part:	skin	
Solvent:	potable water	
Equivalence:	skin:extract 50:1	
Plant preparation:	wash, extract, concentrate, freeze-dry	
Excipient:	none	
GMO:	non-GMO	
Minimum recommend	ed dosage: 2-2.5% finished product (topical) / 250-500mg per serve (oral)	

Physical, analytical and microbiological detail

Test	Specification	Method	
Appearance	Light brown fine powder	Visual	
Taste	Mildly astringent	Sensory evaluation	
Odour	Light aromatic	Sensory evaluation	
Active ingredients	> 30 mg/g phenolics	AOAC 952.03 OMA online (mod)	
Soluble dietary fibre	> 300 mg/g	AOAC985.29 OMA online	
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 MRL limits for markets as	Solvent extraction, SPE cleanup, GC-MS/MS and LC-MS/MS	
	specified by MPI managed database when	analysis	
	read in conjunction with independent	https://www.mpi.govt.nz/resources-and-	
	laboratory pesticide test results	forms/registers-and-lists/maximum-residue-levels-	
		database/	
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	
Escherichia coli	Negative/10g	APHA 9.93 (modified) 5th Ed	
Salmonella	Negative/10g	ISO 6579-1:2017	
Staphylococcus aureus	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