Digesten° DIGESTIVE HEALTH



DIGESTEN® KIWIFRUIT ENZYME ACTIVE EXTRACT

PRODUCT SPECIFICATION

Product: Digesten Kiwifruit Enzyme Active Extract

Product code: XKE

Country of origin New Zealand

Digesten® Kiwifruit Enzyme Active Extract is carefully prepared from fruit of specific maturity

Product description and is exposed to minimal heat. Light green in colour, sweet yet astringent in taste, and free

from any off flavours or odours.

Botanical description: Actinidia deliciosa

Other name: kiwifruit

CAS number: kiwifruit 92456-63-8

Plant part: flesh*
Solvent: none

Equivalence: flesh*:powder 5:1
Plant preparation: wash, extract, freeze-dry
Excipient: silicon dioxide (2.5% w/w)

GMO: non-GMO

Minimum recommended dosage: 500-1000 mg per serve

Physical, analytical and microbiological detail

Test	Specification	Method
Appearance	Light green powder	Visual
Taste	Sweet yet astringent	Sensory evaluation
Odour	Light aromatic	Sensory evaluation
Actinidin activity	> 16,000 AU/g	Azocasein extraction, MacDonald & Associates
Actinidin	> 3.0 mg/g	Azocasein extraction, MacDonald & Associates
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	Solvent extraction, SPE cleanup, GC-MS/MS and LC-MS/MS
	markets as specified by MPI	analysis
	managed database when read in	https://www.mpi.govt.nz/resources-and-forms/registers-
	conjunction with independent	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	< 10,000 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	

NOTE: Individuals who are allergic to kiwifruit may also be allergic to products containing Digesten® Kiwifruit Enzyme Active.

Date of Issue: 21st November 2023
Replaces: 21st September 2023

^{*} green flesh minus skin, seeds, and calyx, otherwise the ratio from whole fruit to powder is 10:1