



DIGESTEN® KIWIFRUIT POWDER

PRODUCT SPECIFICATION

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|-----------------------------|---|
| Product: | Digesten Kiwifruit Powder |
| Product code: | XKP |
| Country of origin | New Zealand |
| Product description | Digesten® Kiwifruit Powder is free flowing light green powder prepared from the flesh of New Zealand-grown kiwifruit. |
| Botanical description: | <i>Actinidia deliciosa</i> |
| Other name: | kiwifruit |
| CAS number: | kiwifruit 92456-63-8 |
| Plant part: | flesh* |
| Solvent: | none |
| Equivalence: | flesh*:powder 5:1** |
| Plant preparation: | wash, concentrate, 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 |
| 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 specified by MPI managed database when read in conjunction with independent laboratory pesticide test results | Solvent extraction, SPE cleanup, GC-MS/MS and LC-MS/MS analysis https://www.mpi.govt.nz/resources-and-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 |
| <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 | |

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

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

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