

PRODUCT SPECIFICATION · LIFEPAK MAP BAG

Kale

Brassica oleracea



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) kale MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Leafy brassica (non-heading), harvested by leaf size
Ethylene	Production None · sensitivity High (Lifepack technical data)
Suitable for	Organic & conventional kale (inert film — no organic certification needed)
Background	Kale is similar to cabbage but does not form a head, and is harvested while the leaves are still a manageable size, before they toughen and turn fibrous. It produces little ethylene of its own but is highly sensitive to it, so control is essential for shelf life.

PERFORMANCE & BENEFITS

Shelf life – cold chain	3–4 weeks at 0 °C
Shelf life – ambient	5–7 days at 10 °C
Recommended atmosphere	O ₂ 1–3% · CO ₂ 5–10% · RH 95–100% General postharvest guidelines (leafy brassicas); vary by cultivar, maturity & region.
LIFEPAK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration and withered leaves • Inhibition of yellowing of leaves • Prolonging freshness after harvest • Maintained colour and firmness • Maintained freshness and crispness • Inhibition of storage mould and rots • Higher profitability due to reduced wastage

MATERIAL, FILM & COMPLIANCE

Film structure	Coextruded multilayer film — polyamide (Nylon-6, CAS 25038-54-4) and polyethylene / copolymer (CAS 9002-88-4)
Thickness / WVTR	22 microns · water vapour transmission (WVTR) 7–9 g/m ² /day
Properties	Transparent film; melting point 104–115 °C; density 0.918–0.923 g/cm ³ ; insoluble in water; stable
Food-contact compliance	FDA 21 CFR 177.1500 & 177.1520; EU 10/2011 and migration limits (EU) 1183/2012
Food safety	Manufactured under FSSC 22000 / ISO 22000 — current certificates on request

AVAILABLE SIZES

Formats	Lifepack MAP bags available to fit standard 2, 5 and 10 kg cartons. Custom sizes on request.
----------------	--

Legal disclaimer: Lifepack SA has no control over the farming, handling, storage or transport of produce packed in LIFEPAK modified atmosphere packaging (MAP) and gives no express or implied guarantee and accepts no liability. Full disclaimer: <https://www.lifepacksa.co.za/legal-disclaimer/>