PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Fennel

Foeniculum vulgare

PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) fennel MAP bag. MAP maintains high humidity and delays senescence, thus keeping the product fresher and firmer for longer.
Produce type	Vegetable (bulb and leafy sheaths), harvested by bulb size; large surface area
Ethylene	Production Low · sensitivity Moderate (general postharvest guidelines)
Suitable for	Organic & conventional fennel (inert film — no organic certification needed)
Background	Fennel is harvested from the taproot once the bulb reaches the desired size, with the green stems trimmed to length. Its layered, high-surface-area structure makes it highly prone to moisture loss in both the green and white sheaths.

PERFORMANCE & BENEFITS

Shelf life – cold chain	3–4 weeks at 0–2 °C
Shelf life – ambient	5–7 days at 10 °C
Recommended atmosphere	O_2 2–4% · CO_2 3–5% · RH 95–100% General postharvest guidelines (similar leafy/stem vegetables); vary by cultivar, maturity & region.
LIFEPACK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration of green and white leafy sheaths • Prolonging freshness after harvest • Individual pallets removable without disturbing CA • 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: BIOPAC Pty Ltd has no control over the farming, handling, storage or transport of produce packed in LIFEPACK modified atmosphere packaging (MAP) and gives no express or implied guarantee and accepts no liability. Full disclaimer: https://www.biopac.com.au/legal-disclaimer/

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