

PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Chinese Leaf

Brassica rapa subsp. pekinensis



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) Chinese leaf MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Leaf vegetable (head type), harvested when compact and firm
Ethylene	Production Low · sensitivity High (leaf yellowing and detachment risk — UC Davis Postharvest)
Suitable for	Organic & conventional Chinese leaf (inert film — no organic certification needed)
Background	Chinese leaf (napa cabbage) is harvested once the head is compact and firm; immature heads are loose and over-mature heads become hard. It produces very little ethylene of its own but is highly sensitive to it, with even brief exposure able to trigger leaf yellowing and detachment.

PERFORMANCE & BENEFITS

Shelf life – cold chain	2–3 months at 0–1 °C
Shelf life – ambient	5–7 days at 10 °C
Recommended atmosphere	O ₂ 1–4% · CO ₂ 1% · RH 95–100% General postharvest guidelines (UC Davis Postharvest); vary by cultivar, maturity & region.
LIFEPACK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration, weight loss and withered outer 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.

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