

PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Chard

Beta vulgaris



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) chard MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Leafy vegetable, harvested young to mid-mature; low thermal mass, highly perishable
Ethylene	Production None · sensitivity High (general postharvest guidelines)
Suitable for	Organic & conventional chard (inert film — no organic certification needed)
Background	Chard is harvested young to mid-mature, as older leaves toughen and begin to yellow. It produces little ethylene of its own but is highly sensitive to it, so ethylene control is essential; its low thermal mass and large leaf area also make it highly prone to wilting and moisture loss.

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 vegetables); vary by cultivar, maturity & region.
LIFEPACK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration, preventing weight loss 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.

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