

PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Coriander

Coriandrum sativum



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) coriander MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Culinary herb (cilantro); very perishable; ethylene-sensitive
Ethylene	Production Moderate · sensitivity High (UC Davis Postharvest)
Suitable for	Organic & conventional coriander (inert film — no organic certification needed)
Background	Coriander (cilantro) is harvested as an intact plant on colour, size and leaf formation. With low thermal mass and large surface area it is very perishable, very susceptible to moisture loss and very ethylene-sensitive, so ethylene control is essential.

PERFORMANCE & BENEFITS

Shelf life – cold chain	Up to 3 weeks at 0–2 °C
Shelf life – ambient	5–7 days at 10 °C
Recommended atmosphere	O ₂ 2–5% · CO ₂ 5–10% · RH 95–100% General postharvest guidelines (UC Davis Postharvest; Singla et al., 2022); vary by cultivar, maturity & region.
LIFEPACK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration, weight loss and wilted leaves • Maintained fresh, green leaves and stems • Preservation of aroma and flavour • Inhibition of chilling injury • Prolonging senescence • Maintained freshness and firmness • 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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