

PRODUCT SPECIFICATION · LIFEPAK MAP BAG

Lime

Citrus aurantifolia / C. latifolia



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) lime MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Non-climacteric citrus, harvested semi-ripe to fully ripe depending on market
Ethylene	Production Moderate (ripe fruit) · sensitivity High (triggers undesirable de-greening — UC Davis Postharvest)
Suitable for	Organic & conventional lime (inert film — no organic certification needed)
Background	Unlike most citrus, natural de-greening in lime is considered a defect rather than a sign of quality. Ripe fruit produces significant ethylene, which accelerates this colour loss, so ethylene control is critical to maintaining the desirable green appearance through storage and distribution.

PERFORMANCE & BENEFITS

Shelf life – cold chain	4–6 weeks at 8–10 °C
Shelf life – ambient	7–10 days at ambient
Recommended atmosphere	O ₂ 5–10% · CO ₂ 0–10% · RH 90–95% General postharvest guidelines (UC Davis Postharvest); vary by cultivar, maturity & region.
LIFEPAK MAP BAG KEY BENEFITS	- Extended green shelf life for longer storage and distribution - Inhibition of premature de-greening - Reduced dehydration, shrivelling and dry peel - Individual pallets removable without disturbing CA - Maintained green colour and firmness - Maintained juice content and flavour - 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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