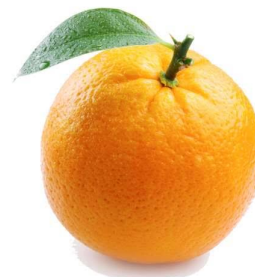


PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Orange

Citrus sinensis



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) orange MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Non-climacteric citrus; sensitive to ethylene de-greening
Ethylene	Production Very low · sensitivity Moderate (UC Davis Postharvest)
Suitable for	Organic & conventional orange (inert film — no organic certification needed)
Background	Citrus is non-climacteric but sensitive to ethylene colour change.

PERFORMANCE & BENEFITS

Shelf life – cold chain	3–4 months at 8 °C (46 °F)
Shelf life – ambient	7–10 days at ambient
Recommended atmosphere	O ₂ 5–10% · CO ₂ 0–5% · RH 85–90% 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, shrivelling and dry peel - 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) 2
Thickness / WVTR	22 microns · water vapour transmission (WVTR) 7–9 g/m /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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Legal disclaimer: Lifepack SA 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.lifepacksa.co.za/legal-disclaimer/>