

PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Soft Citrus

Citrus reticulata



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) soft citrus MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Non-climacteric citrus (clementine, mandarin, tangerine), harvested fully ripe; often marketed with leaves attached
Ethylene	Production Low · sensitivity Moderate (triggers de-greening only — UC Davis Postharvest)
Suitable for	Organic & conventional soft citrus (inert film — no organic certification needed)
Background	Soft citrus — clementine, mandarin and tangerine — is harvested at full ripeness based on colour and brix. Ethylene is sometimes used to de-green early-season fruit, but over-exposure causes softening and flesh breakdown; both the fruit and any attached leaves are prone to moisture loss.

PERFORMANCE & BENEFITS

Shelf life – cold chain	4–6 weeks at 6–8 °C
Shelf life – ambient	7–10 days at ambient
Recommended atmosphere	O ₂ 5–10% · CO ₂ 0–5% · RH 90–95% 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 and drying of peel and leaves • Individual pallets removable without disturbing CA • Slowing of peel senescence • Maintained peel colour and firmness • Maintained fresh, green leaves (where attached) • 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.

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/>

