

PRODUCT SPECIFICATION · LIFEPAK MAP BAG

Rambutan

Nephelium lappaceum



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) rambutan MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Non-climacteric fruit, harvested fully ripe; low thermal mass, highly perishable
Ethylene	Production Low · sensitivity Low (does not benefit from ethylene treatment — UC Davis Postharvest)
Suitable for	Organic & conventional rambutan (inert film — no organic certification needed)
Background	Rambutan is picked fully ripe and does not improve after harvest, so it must be cooled and packed quickly to preserve its bright red colour and soft spinterns (spines). It is highly susceptible to moisture loss and chilling injury.

PERFORMANCE & BENEFITS

Shelf life – cold chain	Up to 4 weeks at 8–10 °C under CA; around 2 weeks in air
Shelf life – ambient	4–7 days at ambient
Recommended atmosphere	O ₂ 3–5% · CO ₂ 7–12% · RH 90–95% General postharvest guidelines (UC Davis Postharvest); vary by cultivar, maturity & region.
LIFEPAK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration and discolouration of skin and spinterns • Inhibition of browning • Inhibition of chilling injury • Maintained bright red colour • 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.

Legal disclaimer: Lifepack SA has no control over the farming, handling, storage or transport of produce packed in LIFEPAK modified atmosphere packaging (MAP) and gives no express or implied guarantee and accepts no liability. Full disclaimer: <https://www.lifepacksa.co.za/legal-disclaimer/>