PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Charentais Melon

Cucumis melo var. cantalupensis

PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) Charentais melon MAP bag. MAP maintains high humidity and slows the ripening process, thus keeping the product fresher and firmer for longer.
Produce type	Climacteric muskmelon, harvested near-ripe; small, highly aromatic, thin-skinned
Ethylene	Production High · sensitivity High (UC Davis Postharvest)
Suitable for	Organic & conventional Charentais melon (inert film — no organic certification needed)
Background	Charentais melon is smaller, more delicate and more aromatic than standard cantaloupe, with a thin rind that offers little protection. Its high respiration rate and rapid ripening give it a shorter shelf life than other melon types, with moisture loss and over-ripening the main risks in storage and distribution.

PERFORMANCE & BENEFITS

Shelf life – cold chain	1–2 weeks at 3–4 °C
Shelf life – ambient	3–5 days at ambient
Recommended atmosphere	O_2 3% · CO_2 10% · 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 • Inhibition of the ripening process • Individual pallets removable without disturbing CA • Reduced dehydration and shrivelling • Maintained aroma and sweetness • 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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Distributed by BIOPAC | 4/96 Township Drive, West Burleigh QLD 4220 | T 07 5520 4171 | info@biopac.com.au | www.biopac.com.au