

PRODUCT SPECIFICATION · LIFEPAK MAP BAG

Passion Fruit

Passiflora edulis



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) passion fruit MAP bag. MAP maintains high humidity and prolongs the ripening process, thus keeping the product fresher and firmer for longer.
Produce type	Climacteric fruit; one of the largest ethylene producers
Ethylene	Production Very high · sensitivity Moderate (UC Davis Postharvest)
Suitable for	Organic & conventional passion fruit (inert film — no organic certification needed)
Background	Passion fruit is harvested at full colour and is prone to rapid water loss and skin shrivel. It respire strongly and ripens and ages quickly once picked.

PERFORMANCE & BENEFITS

Shelf life – cold chain	4–6 weeks at 8 °C (46 °F)
Shelf life – ambient	7–10 days at ambient
Recommended atmosphere	O ₂ 5–10% · CO ₂ 8–10% · RH 85–90% General postharvest guidelines (UC Davis Postharvest; Singla et al., 2022); vary by cultivar, maturity & region.
LIFEPAK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration, weight loss and shrivelling • Controls high ethylene output to slow ripening • 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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