

PRODUCT SPECIFICATION · LIFEPAK MAP BAG

Physalis (Tomatillo)

Physalis ixocarpa / *P. philadelphica*



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) physalis MAP bag. MAP maintains high humidity and slows the ripening process, thus keeping the product fresher and firmer for longer.
Produce type	Husked berry, harvested green-mature (culinary use) or yellow-ripe (fresh/decorative use)
Ethylene	Production Low–Moderate · sensitivity Moderate (published postharvest literature)
Suitable for	Organic & conventional physalis (inert film — no organic certification needed)
Background	Physalis is a small fruit enclosed in a papery husk that is prone to splitting as the fruit ripens. Green-harvested fruit is prized for its acidity in culinary use, while yellow-ripe fruit is sold as a sweeter, decorative fresh fruit; either way, the husk should stay fresh, green and intact.

PERFORMANCE & BENEFITS

Shelf life – cold chain	4–6 weeks at 6–8 °C
Shelf life – ambient	5–7 days at ambient
Recommended atmosphere	O ₂ 3–5% · CO ₂ 5–10% · RH 85–90% General postharvest guidelines (published research); vary by cultivar, maturity & region.
LIFEPAK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Slowing of the ripening process (green or yellow) • Reduced dehydration and husk shrivelling • Individual pallets removable without disturbing CA • Maintained husk colour and freshness • Maintained fruit firmness and acidity • 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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