

PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Okra

Abelmoschus esculentus



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) okra MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Fruiting vegetable, harvested immature with firm, bright green pod and small, partially developed seed
Ethylene	Production Low · sensitivity Moderate (chilling injury risk — UC Davis Postharvest)
Suitable for	Organic & conventional okra (inert film — no organic certification needed)
Background	Okra is picked while the pod is immature, bright green and firm, with only partially developed seed; small pods lack flavour while over-mature pods turn fibrous and stringy. It is highly prone to moisture loss and chilling injury.

PERFORMANCE & BENEFITS

Shelf life – cold chain	2–3 weeks at 8–10 °C
Shelf life – ambient	5–7 days at ambient
Recommended atmosphere	O ₂ 3–5% · CO ₂ 4–10% · 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 • Reduced dehydration, weight loss and toughening • Inhibition of browning • Maintained tenderness • Maintained freshness and firmness • Maintained colour • 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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