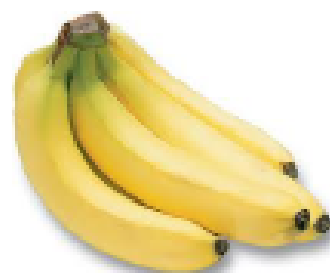


PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Banana

Musa spp.



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) banana MAP bag. MAP maintains high humidity and slows the ripening process, thus keeping the product fresher and firmer for longer.
Produce type	Climacteric tropical fruit, harvested mature-green; ripened under controlled conditions
Ethylene	Production High · sensitivity High (UC Davis Postharvest)
Suitable for	Organic & conventional banana (inert film — no organic certification needed)
Background	Banana is highly sensitive to both temperature and ethylene; ripening is normally induced deliberately after harvest under controlled conditions. Below 12°C fruit is at risk of chilling injury (peel browning, dull colouration), so temperature control throughout transit is critical.

PERFORMANCE & BENEFITS

Shelf life – cold chain	2–4 weeks at 13–14 °C in air; up to 4–6 weeks under CA
Shelf life – ambient	3–7 days once ripening begins
Recommended atmosphere	O ₂ 2–5% · CO ₂ 2–5% · 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 premature ripening • Individual pallets removable without disturbing CA • Reduced dehydration and shrivelling • Maintained peel colour and firmness • Maintained freshness during transit • 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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Legal disclaimer: Lifepack SA has no control over the farming, handling, storage or transport of produce packed in LIFEPACK modified atmosphere packaging (MAP) and gives no express or implied guarantee and accepts no liability. Full disclaimer: <https://www.lifepacksa.co.za/legal-disclaimer/>