

PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Date

Phoenix dactylifera



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) fresh date MAP bag. MAP maintains high humidity and slows the softening process, thus keeping the product fresher and firmer for longer.
Produce type	Non-climacteric palm fruit, harvested at Khalal to Rutab stage; low respiration rate
Ethylene	Production Low · sensitivity Low (UC Davis Postharvest / published literature)
Suitable for	Organic & conventional fresh date (inert film — no organic certification needed)
Background	Fresh dates are harvested and marketed at an earlier, crunchier stage than dried dates, and continue to soften and darken (Khalal to Rutab) during storage and distribution. The main quality risks are moisture loss, softening and surface mould.

PERFORMANCE & BENEFITS

Shelf life – cold chain	4–7 weeks at 0–5 °C
Shelf life – ambient	5–7 days at ambient
Recommended atmosphere	O ₂ 3–5% · CO ₂ 15–20% · RH 85–90% General postharvest guidelines (published research); vary by cultivar, maturity & region.
LIFEPACK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Slowing of the Khalal-to-Rutab softening process • Reduced dehydration and shrivelling • Individual pallets removable without disturbing CA • Maintained colour and texture • 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.
----------------	--

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/>