

PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Nectarine

Prunus persica var. nectarina



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) nectarine MAP bag. MAP maintains high humidity and prolongs the ripening process, thus keeping the product fresher and firmer for longer.
Produce type	Climacteric stone fruit, best shipped semi-ripe
Ethylene	Production High · sensitivity Moderate (UC Davis Postharvest)
Suitable for	Organic & conventional nectarine (inert film — no organic certification needed)
Background	Nectarine, like all stone fruit except cherry, is climacteric. The optimum time to harvest, for long transit or storage, is when semi-ripe: firm, with significant colour but free from green stem end. Harvesting whilst still green prevents colour change and gives minimal starch-to-brix conversion, resulting in a sub-standard product.

PERFORMANCE & BENEFITS

Shelf life – cold chain	Up to 45 days at 0 °C (32 °F)
Shelf life – ambient	5–7 days at ambient
Recommended atmosphere	O ₂ 1–2% · CO ₂ 3–5% · RH 90–95% General postharvest guidelines (UC Davis Postharvest; Singla et al., 2022); vary by cultivar, maturity & region.
LIFEPACK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration and shrivelling • Semi-ripe fruit can ripen in the sealed LIFEPACK MAP Bag • Extended ripe shelf life, lower wastage • Inhibition of internal breakdown and flesh discolouration • 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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