PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Table Grape

Vitis vinifera

PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) table grape MAP bag. MAP maintains high humidity and delays senescence, thus keeping the product fresher and firmer for longer.
Produce type	Non-climacteric; harvested fully ripe; Botrytis-prone
Ethylene	Production Very low · sensitivity Low (UC Davis Postharvest)
Suitable for	Organic & conventional table grape (inert film — no organic certification needed)
Background	Table grape is harvested fully ripe and does not sweeten further after picking, judged by sugar and colour. Berries are prone to water loss, stem browning, shatter and Botrytis, and are traditionally protected with sulphur-dioxide pads.

PERFORMANCE & BENEFITS

Shelf life – cold chain	Up to 3–4 weeks at 0 °C (32 °F)
Recommended atmosphere	O_2 2–5% · CO_2 1–3% · 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 weight loss, shatter and stem discolouration • Compatible with sulphur pads • Delayed senescence • 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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