

Amanita marmorata



Amanita marmorata © Patrick Leonard

Cap: convex; 45–60 mm diameter; off-white; fine grey fibrils or squamules on the paler ground, giving a mottled appearance; no velar remains on cap.

Stipe: cylindrical with a sub-bulbous base; 70–90 × 6–12 mm; glabrous; white; with a thin membranous ring; volva membranous with a loose collar at the top.

Gills: free, crowded; off-white to very pale cream; with a single series of lamellulae.

Flesh: white, relatively thin and brittle.

Spore print: off-white to very pale cream.

Spores: subglobose to broadly ellipsoid; 7.6–9.3 × 6.3–8.4 µm, average 8.55 ± 0.45 × 7.2 ± 0.6 µm, Q = 1.02–1.32, average Q = 1.2 ± 0.1; amyloid, smooth.

Basidia: clavate; 30–40 × 10–18 µm; mostly 2-spored.

Pleurocystidia: not observed.

Pileipellis: a cutis, clamp connections absent.

Substrate: in soil mixed with natural mulch.

Habitat: botanic garden, but under native *Eucalyptus microcorys* and *Corymbia intermedia*.

Notes: A very distinctive *Amanita* because of its grey, mottled, finely fibrillose or squamulose cap and a tall white stem with persistent ring and volva. It is known to be poisonous and related to *A. phalloides*.

Collections examined: PL2414, Maroochy Bushland Botanic Gardens, Pat Leonard, 2 Apr 2014; PL110124, Maroochy Bushland Botanic Gardens, Patrick Leonard, 10 Jan 2024.