

Amanita marmorata



Amanita marmorata © Patrick Leonard

Cap: convex; 45 – 60 mm diameter; finely fibrillose or squamulose; grey on a 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.

Taste:

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 two 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 appears to be rare with only 7 records, mostly from New South Wales and only one record since 1920.

Collections examined: PL 2414, Maroochy Bushland Botanic Garden, Pat Leonard, 2 April 2014.