

## *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;  $7.6\text{--}9.3 \times 6.3\text{--}8.4 \mu\text{m}$ , average  $8.55 \pm 0.45 \times 7.2 \pm 0.6 \mu\text{m}$ ,  $Q = 1.02\text{--}1.32$ , average  $Q = 1.2 \pm 0.1$ ; amyloid, smooth.

**Basidia:** clavate;  $30\text{--}40 \times 10\text{--}18 \mu\text{m}$ ; 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.