

Amanita sp 'brunneovolvata'



Amanita sp 'brunneovolvata' © Pat Leonard

Cap: shallowly convex; 55 mm diameter; glabrous, dry; brownish orange (6C4, 6C5); margin very indistinctly striate and slightly inrolled.

Stipe: cylindrical, slightly enlarged at apex; 50–60 × 10–14 mm; glabrous; white with a slight brownish tinge; ring absent but brown ring zones seen low on stipe; very distinctive, dark brown volva.

Gills: adnexed; cream; lamellulae absent.

Flesh: white.

Smell: none.

Spore print: white.

Spores: ellipsoid; 8.1–9.7 × 5.7–6.7 µm, average $9 \pm 0.5 \times 6.2 \pm 0.35$ µm; Q = 1.31–1.67, average Q = 1.45 ± 0.09; amyloid.

Basidia: narrowly clavate; 30–40 × 7–9 µm; 4-spored.

Cheilocystidia: clavate to almost capitate; 45–55 × 7–9 µm; with opaque contents and what appears to be a terminal oil drop.

Pleurocystidia: absent.

Pileipellis: an irregular cutis of interwoven brown hyphae.

Substrate: in sandy soil.

Habitat: dry sclerophyll forest under *Eucalyptus*.

Notes: the collection is not in Wood's key; there do not seem to be any *Amanitas* described with the distinctively brown volva that characterizes this species.

Collections examined: PL310417, Elanda Point, Great Sandy National Park, Pat Leonard, 1 Apr 2017.