

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 ± 0.5 × 6.2 ± 0.35 µm; Q = 1.31 - 1.67, average Q = 1.45 ± 0.09; amyloid.

Basidia: narrowly clavate; 30 - 40 × 7 - 9 µm; four 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 sclerophyl forest under Eucalyptus.

Notes: the collection is not in Woods key, there do not seem to be any Amanitas described with the distinctively brown volva that characterizes this species.

Collections examined: PL 0417, Elanda Point, Great Sandy National Park, Pat Leonard, 1 Apr 17.