

Amanita pyramidifera



Amanita pyramidifera © Pat Leonard

Cap: broadly convex at first, later applanate with a very broad umbo; 80 - 210 mm diameter; white, covered in pyramidal scales which can be grey brown or white; margin appendiculate.

Stipe: clavate to sub-bulbous; 50 - 90 mm; white; ring fugacious or absent, pyramidal scales attach to lower stipe; volva absent but base of stipe turbinate with pyramidal warts like those of cap, which brown with age.

Gills: free; white to pale cream; lamellulae in 2 series.

Flesh: white, unchanging.

Spore print: white.

Spores: ellipsoid; $9.6 - 12 \times 7.2 - 8.4 \mu\text{m}$, $Q = 1.39$ (Wood); $6.8 - 8.6 \times 5.8 - 7.2 \mu\text{m}$, average $7.8 \pm 0.7 \times 6.35 \pm 0.4 \mu\text{m}$, $Q = 1.11 - 1.4$, average $Q = 1.23 \pm 0.09$ (PL31313); amyloid, thin walled.

Basidia: narrowly clavate, four spored.

Cheilocystidia: pyriform or ovoid.

Pleurocystidia: not observed.

Pileipellis: a cutis of filamentous hyphae but both inflated cells and hyphae seen in velar remains.

Habitat: growing singly or in pairs in soil in wet sclerophyl forest with *Eucalyptus*

Notes: this white *Amanita* is characterised by the pyramidal scales on the cap, its adpressed volva and the appendiculate margin to the cap. Some specimens have significantly smaller spores than the type!

Collections examined: PL212087, Maroochy Bushland Botanic Garden, 8 Dec, 08. PL 1309, Noosa Library, Wallace Park, Noosaville, Pat Leonard, 6 Mar 09. PL31313, Maroochy Bushland Botanic Garden, Pat Leonard, 7 Mar 2013.

