

Amanita preisii



Amanita preisii © Frances Guard

Cap: broadly conical to applanate; 30 - 45mm diameter; paler than smoke grey with white floccules of velar remnants on surface; margin not radially striate

Stipe: solid at base but hollow above; 70 mm length; white; with large membranous ring; bulbous base, occasional velar remnant on bulb.

Gills: creamy white, crowded, adnexed, lamellulae in 2-3 series, partial veil breaking to form long, membranous annulus.

Flesh: white.

Taste: not tried

Spore print: white.

Spores: ellipsoidal to elongated; $10.6 \times 4.7 \mu\text{m}$, $Q = 2.25$; occasionally dimorphic; amyloid.

Basidia: 4 spored

Cheilocystidia: occasional.

Pileipellis: velar remnants mostly inflated cells approximately $45 \mu\text{m}$ diam. Clamp connections not seen

Habitat: coastal woodland, *E. racemosa*, *Lophostemon confertus*, *Banksia aemula* and Cycads

Notes: single specimen in sandy soil near car park above Lake Wabby Lookout, Fraser Island. This keyed to *A. elangatospora* when first examined and the high Q value of the spores supports this conclusion. However, the contrasting cap and veil colours (see field photo on left above) do not quite fit. It is not clear whether the base had a volva or not, if it does then this collection keys to *A. preisii* a species otherwise only known from South Australia and which reportedly has lower Q values. It is possible that this is an undescribed species.

Collections examined: FEG 8, Fraser Island, Frances Guard, 5 Apr 2011.