

## *Amanita* sp PL140417



*Amanita* sp PL140417 ©Pat Leonard

**Cap:** shallowly convex, becoming applanate to centrally depressed; 60–70 mm diameter; glabrous, dry; mouse-grey, grey-brown (5E3, 5E4); with pale grey velar remains arranged in concentric rings which are more frequent towards the margin.

**Stipe:** clavate with a bulbous base and a narrower mycelial column below; caespitose; 50–70 × 10–15 mm; glabrous; white; with a pale grey ring which has a darker margin.

**Gills:** adnexed to almost free; crowded; white; with lamellulae present in one series.

**Flesh:** thin, white.

**Smell:** strong; agaricoid.

**Spore print:** white.

**Spores:** broadly ellipsoid;  $5.8\text{--}7.7 \times 4.3\text{--}5.8\text{ }\mu\text{m}$ , average  $6.5 \pm 0.4 \times 5.3 \pm 0.3\text{ }\mu\text{m}$ ,  $Q = 1.09\text{--}1.41$ , average  $Q = 1.24 \pm 0.08$ ; amyloid.

**Basidia:** clavate;  $30\text{--}40 \times 9\text{--}12\text{ }\mu\text{m}$ ; with dark granular contents; 4-spored.

**Cheilocystidia:** clavate to subcapitate;  $40\text{--}50 \times 9\text{--}12\text{ }\mu\text{m}$ .

**Pleurocystidia:** absent.

**Pileipellis:** an irregular cutis of repent hyphae overlain by ovoid to pyriform velar cells.

**Substrate:** in sandy soil.

**Habitat:** wet sclerophyll forest with *Eucalyptus*.

**Notes:** this species looks a little like the northern hemisphere *A. spissa* but has much smaller spores. It does not appear in Wood's key to *Amanita* and may therefore be an undescribed species.

**Collections examined:** PL140417, Tewantin National Park, Pat Leonard, 1 Apr 2017.