

## *Amanita* sp PL140417



*Amanita* sp PL 140417 © 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 - 7.7 × 4.3 - 5.8  $\mu\text{m}$ , average 6.5 ± 0.4 × 5.3 ± 0.3  $\mu\text{m}$ , Q = 1.09 - 1.41, average Q = 1.24 ± 0.08; amyloid.

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

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

**Pleurocystidia:** absent.

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

**Substrate:** in sandy soil.

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

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

**Collections examined:** PL 140417, Tewantin National Park, Pat Leonard, 1 Apr 17.