

## *Tylopilus* sp PL18414



*Tylopilus* sp © Pat Leonard

**Cap:** plano-convex; 45 – 65 mm diameter; slightly greasy; pale fawn to dark brown (9E5); margin just appendiculate.

**Stipe:** irregularly clavate, some caespitose; 45 – 50 × 15 – 20 mm; glabrous; mid brown in center but paler at apex and base.

**Pores:** adnate; very pale fawn to slightly pink; bruising brown; 2 – 3 per mm.

**Flesh:** firm, white, unchanging.

**Taste:** bitter.

**Spore print:** pale fawn with a slight pink tinge.

**Spores:** subcylindrical; 7.7 – 9.4 × 3.6 – 4.6  $\mu\text{m}$ , average 8.6 ± 0.5 × 4 ± 0.3  $\mu\text{m}$ , Q = 1.78 – 2.37, average Q = 2.16 ± 0.14; smooth; colourless in KOH.

**Basidia:**

**Cheilocystidia:** fusiform with an acute apex; 35 – 50 × 7 – 10  $\mu\text{m}$ ; honey coloured in KOH.

**Pileipellis:** a trichoderm, possibly an ixotrichoderm (specimens sun scorched); terminal hyphae acutely pointed; 5 m- 8  $\mu\text{m}$  wide, no clamps.

**Substrate:** sand.

**Habitat:** Wallum heathlands under *Melaleuca* and *Allocasuarina* and possibly *Angophora*.

**Notes:** This looks like a small *Tylopilus felleus* which has not network on the stipe and very small spores. It is different to Watling's *T. fuscobrunneus* and Cleland's *Boletus punctato-brunneus*.

**Collections examined:** PL18414, Coolum National Park, Pat Leonard, 5 Apr 2014.