

## *Tylopilus griseipurpureus*



*Tylopilus griseipurpureus* © Pat Leonard

**Cap:** convex; 60 mm diameter; velutinate, matt; dull lilac, greyish violet (16C3, 16D3); margin entire, not appendiculate.

**Stipe:** clavate; 50 – 60 × 12 – 15 mm; finely fibrillose; concolourous with cap.

**Pores:** white; ovoid; 3 per mm.

**Flesh:** white, unchanging on exposure to air.

**Spore print:** pale pink.

**Spores:** fusiform; 8 – 11.1 × 3.5 – 4.8 μm, average 9.4 ± 0.8 × 4 ± 0.4 μm, Q = 1.94 – 2.77, average Q = 2.35 + 0.26; smooth, thick walled; with one to 3 oil guttules.

**Basidia:** clavate; 25 – 32 × 7 – 9 μm; four spored, hyaline or occasionally with small oil drops in KOH.

**Cheilocystidia:** lageniform; 45 – 60 × 10 – 14 μm; some septate? with brown refractive contents in KOH.

**Pleurocystidia:**

**Pileipellis:** a trichoderm of fine pointed hyphae 6 – 10 μm wide.

**Substrate:** growing in sandy soil with *Eucalyptus maculata* and *Kunzea*.

**Habitat:** open Eucalypt woodland.

**Notes:** This purpleish brown *Tylopilus* is very close to *T. formosus*, but with much paler colours. It keys to *T. sp 7* in Watling & Li, but the description of BRIP 9151 is not sharp enough to be certain if it is that. Corner's *T. griseipurpureus* is probably closest, he described it as 'purple-mauve' although his illustration shows a brown fungus.

**Collections examined:** CN73, Crow's Nest National Park, Fran Guard, 20 Apr 2013.