

## *Boletus* sp 34



*Boletus* sp 34 © Solveig Gillis

**Cap:** convex becoming plano-convex; 65 – 70 mm diameter; glabrous, dry, matt; somewhat areolate at the centre; dark brown with a darker centre (9D4 10F6) with a red subcutaneous layer; margin entire.

**Stipe:** cylindrical; 90 – 100 × 15 – 30 mm; fibrillose but glabrous towards apex; pale yellow overall but with browning fibrils towards the base.

**Pores:** adnexed, excavated; ovoid, cream to pale lemon yellow, 2 – 3 per mm.

**Flesh:** firm, pale yellow.

**Smell:** strong, fragrant.

**Chemical characters:** KOH = yellow ochre, FeSO<sub>4</sub> = dark green

**Spore print:** yellowish brown.

**Spores:** fusoid; 10.65 – 14.65 × 4.8 – 6.86 µm, average 12.65 ± 1 × 5.5 ± 0.6 µm, Q = 1.7 – 2.8, average Q – 2.32 ± 0.3.

**Basidia:** clavate; 30 – 35 × 7 – 9 µm; with granular contents; four spored.

**Cheilocystidia:** not seen

**Pleurocystidia:** clavate; 30 – 40 × 8 – 10 µm; with granular contents.

**Pileipellis:** somewhere between a cutis and a trichoderm with some upright and some layered hyphae.

**Habitat:** growing in dry sclerophyll forest with *Eucalyptus* and *Allocasuarina*.

**Notes:** a tall fungus with bright yellow excavated pores and large spores.

**Collections examined:** PL810318, Chermside Hills Reserve, Pat Leonard, 18 Mar 2018.