

Boletus sp 33



Boletus sp 33 © Pat Leonard

Cap: convex; 45 – 80 mm diameter; velutinate, dry, matt, with small indentations, 3 – 5 mm long; pale brown with an orange-brown centre (5B4 8B8); margin running over edge of pores.

Stipe: clavate; 70 – 80 × 18 – 22 mm; fibrillose but pubescent towards apex; pale brown overall but with glabrous yellow area at apex,

Pores: adnate; rounded; lemon yellow, 2 – 3 per mm.

Flesh: firm, pale yellow.

Smell: strong, fragrant.

Chemical characters: KOH = yellow ochre, FeSO₄ = pale olive.

Spore print: yellowish brown.

Spores: ellipsoid; 9 – 13.3 × 4.1 – 5.75 µm, average 10.8 ± 1 × 5.15 ± 0.5 µm, Q = 1.7 – 2.9, average Q = 2.11 ± 0.25.

Basidia: clavate; 45 – 50 × 8 – 10 µm; four-spored.

Cheilocystidia: not seen.

Pleurocystidia: clavate; 45 – 55 × 8 – 10 µm; with granular contents.

Pileipellis: a dense trichoderm of hyphae 6 – 7 µm wide with rounded apices.

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

Notes: a robust fungus with bright yellow pores but few other distinguishing characters.

Collections examined: PL300318, Chermside Hills Reserve, Pat Leonard, 18 Mar 2018.