

Boletus sp 22



Boletus sp 22 © Pat Leonard

Cap: convex; 25 – 30 mm diameter; minutely velutinate, suede like; pale brownish orange (6C4); margin does not reach over tubes.

Stipe: tapering towards base; 25 × 4 – 5 mm; glabrous; light brown at apex becoming paler towards base.

Pores: adnexed; pale olivaceous yellow to yellow; irregular.

Flesh: white, unchanging on exposure to air.

Spore print: olivaceous brown.

Spores: fusiform, boletoid; 13 – 16.9 × 4.5 – 6.9 μm , average 14.3 \pm 1 × 5.7 \pm 0.5 μm , Q = 1.9 – 3.55, average Q = 2.55 \pm 0.4; smooth, thin walled.

Basidia: clavate, 35 – 40 × 9 – 12 μm ; four spored.

Pleurocystidia: not observed.

Pileipellis: a trichoderm.

Substrate: alluvial soil.

Habitat: growing singly in dry sclerophyll forest under *Leptospermum* species.

Notes: This small bolete does not readily key out in Watling and Gregory. The fruit body size and colour suggest *B. lentistipitatus*, but the spores are significantly larger, the stipe more robust and the habitat different.

Collections examined: CH016, Chermside Hills Nature Reserve, Brisbane, Pat Leonard, 31 March 2012; PL68313, Crow's Nest National Park, Pat Leonard, 14 Mar 2013.