

Boletus sp 29



Boletus sp 29 © Pat Leonard

Cap: convex; 30 – 40 mm diameter; finely velvinate, matt, very smooth; greyish brown (7D4, 6D4); margin very slightly appendiculate.

Stipe: cylindrical with a slight bulb at base; 30 – 40 × 4 – 5 mm; brown (6D7, 7D5), with a white sock at base; sometimes curved.

Pores: decurrent tooth; angular, radially elongated; 1 per mm; bright yellow; bruising blue green.

Flesh: white with a pale yellow tint; blueing on exposure to air.

Spore print: brown olivaceous.

Spores: fusiform; 8 – 11.2 × 3.5 – 5.4 μm , average 9.7 ± 0.7 × 4.4 ± 0.4 μm , Q = 1.86 – 2.66, average Q = 2.23 ± 0.2; smooth, thick walled.

Basidia: clavate, in pair with a cylindrical sterile cell; 25 – 40 × 8 – 9 μm ; four spored.

Cheilocystidia: clavate to fusiform; 50 – 60 × 7 – 8 μm ; hyaline; not conspicuous.

Pleurocystidia: not observed.

Pileipellis: a cutis.

Substrate: growing in soil under *Allocasuarina torulosa*.

Habitat: open Eucalypt forest with *Allocasuarina* and both *Eucalyptus* and *Kunzea* nearby.

Notes: this small bolete with a very smooth grey brown cap has a thin stipe and quite wide bright yellow pores which bruise a bright blue green. Probably should be in *Xerocomus*.

Collections examined: RB 11, Ravensbourne National Park, Bob Phillpot, 19 Apr 2013.

