

Boletus sp 31



Boletus sp 31 © Pat Leonard

Cap: convex; 60 mm diameter; glabrous, becoming areolate; red to reddish brown (9D8); margin retracted.

Stipe: cylindrical but narrowing toward the apex; 60 – 80 × 12 – 15 mm; striate and punctate; yellow at apex and background with dark red fibril and punctae and bruising blue on handling.

Pores: pale yellow; small oval, staining blue then black.

Flesh: cream but almost immediately dark blue on cutting fading to sepia.

Taste:

Spore print: not obtained.

Spores: fusoid; 10.7 – 12.8 × 4.2 – 5.5 µm, average 12 ± 0.7 × 4.9 ± 0.4, Q = 2.2 – 2.78, average Q = 2.48 ± 0.17.

Basidia: clavate; 25 – 40 × 7 – 10 µm; with granular contents; four spored

Pleurocystidia: clavate, 45 – 55 × 7 – 10 µm; with brown contents in KOH.

Pileipellis: appears to be an ixocutis.

Substrate: growing in sand.

Habitat: Wallum heathland with *Eucalyptus*, *Melaleuca* and *Callitris* nearby.

Notes: a red to redbrown medium sized Bolete with rapid dark blue staining and significantly larger spores than *B. aff spadiceus* and *B. sp 19*.

Collections examined: PL 0317, Arthur Harrold Reserve, Noosa N.P. Pat Leonard, 23 Mar 17.