

Boletellus badiovinosus



Boletellus badiovinosus © Roy Halling

Pileus: convex to planoconvex; 15 – 55 mm diameter; velutinate with venose centre; dry; dark brown

Tubes: adnate to emarginated; olivaceous yellow; bruising blue.

Pores: concolourous with tubes; large, up to 3 mm diameter.

Stipe: cylindrical, wider at apex and attenuated towards base; 25 – 60 × 3 – 7 mm; sub-reticulate and vertically striate with distinct squamules in the upper half; dry; yellowish towards apex but intense vinaceous at base; squamules are dark brown to black.

Flesh: pale yellow in the cap and blueing; turning dark red, vinaceous, in the lower part of the stipe.

Smell: nil

Spore print: yellowish brown.

Spores: amygdaliform; 8 – 14 × 5 – 7 μm , average 11 × 6 μm ; costate with distinct longitudinal ribs; somewhat thick walled.

Basidia: clavate; 25 – 40 × 10 – 13 μm ; four-spored.

Cheilocystidia: lageniform; 35 – 80 × 10 – 18 μm .

Pileipellis: a trichoderm of erect hyphae, 6 – 10 μm diameter; some with external incrustation.

Habitat: On soil under *Lithocarpus* and *Castanopsis*, probably also *Anisopterin* Papua New Guinea.

Collections examined: PL1180417, Bald Rock National Park, Pat Leonard, 7 April 2017.

Notes: This species was described from Papua New Guinea by Horak in 1977. There have been very few records since, but two recent records from Queensland suggest it is here. It is superficially close to *B. sinapipes* and *B. sp 10* but those both have much larger spores.