

Boletus sp 39



Boletus sp 39 © Patrick Leonard

Cap: convex; up to 110 mm diameter; minutely velutinate; deep red (12B8, 12C8); margin yellow when seen from below.

Stipe: clavate, red, pale pink above and dark red below, briefly staining dark blue on bruising.

Pores: adnexed; small; pale pinkish brown at first becoming red; bruising blue which then fades.

Flesh: white becoming bright lemon yellow; some blue staining around the pores on exposure to air.

Smell: not noticeable but collected during a rainstorm.

Taste:

Spore print: reddish brown.

Spores: fusoid; $7.31 - 10.61 \times 3.87 - 5.36 \mu\text{m}$, average $9.2 \pm 1.08 \times 4.4 \pm 0.43 \mu\text{m}$, $Q = 1.65 - 2.40$, average $Q = 2.08 \pm 0.22$;

Basidia: clavate; $\pm 30 \times 10 \mu\text{m}$; four spored; some with a large oil drop near apex.

Cheilocystidia: not observed.

Pleurocystidia: clavate or fusiform; in clusters of 3 or 4; $30 - 50 \times 5 - 8 \mu\text{m}$.

Pileipellis: a trichoderm.

Habitat: growing in rainforest with *Eucalyptus* species nearby.

Notes: close to *Boletus* aff *aemilii* but does not exactly match and there now seems to be disagreement between European boletologists as to whether that is a good species or a valid name!

Collections examined: PL580319; Caves track, Binna Burra, Lamington National Park, Wayne Boatwright, 30 March 2019..