

## *Phylloporus* 'tamborine'



*Phylloporus* 'tamborine' © Megan Prance

**Cap:** planoconvex to applanate; 30 mm diameter; velutinate, areolate; grey brown to reddish brown, margin entire, not appendiculate.

**Stipe:** cylindrical, tapering slightly toward base with a sub-bulbous foot; 30 – 35 × 4 mm; more or less glabrous; yellowish white at apex, with a red brown band, then pale whitish below, overlain with grey brown striations in the centre of the stipe.

**Gills:** sinuate; golden yellow; a few anastomizing; lamellulae present in 2 series; intervening absent; gills bruising blue green.

**Flesh:** white, slightly blue green on cutting.

**Chemical tests:** + KOH = brown.

**Spore print:** olivaceous brown.

**Spores:** boletoid, amygdaliform; 15.4 – 19.1 × 5 – 7.1  $\mu\text{m}$ , average 17.3 ± 1.15 × 6.1 ± 0.5  $\mu\text{m}$ , Q = 2.4 – 3.4, average Q = 2.83 ± 0.27; thick walled, yellow brown in KOH.

**Basidia:** clavate; 40 – 50 × 10 – 12  $\mu\text{m}$ ; with cloudy contents; four spored, sterigmata to 5  $\mu\text{m}$ .

**Pleurocystidia:** cylindrical to narrowly clavate; 30 – 50 × 7.5 – 11  $\mu\text{m}$ ; hyaline, thin walled.

**Cheilocystidia:** scarce, lageniform; 80 – 110 × 12 – 16  $\mu\text{m}$ ; hyaline.

**Pileipellis:** a trichoderm.

**Substrate:** growing about 30 cm off the ground on the bark of a living *Eucalyptus microcorys*.

**Habitat:** rainforest with *Eucalyptus* merging in to wet Eucalypt forest.

**Collections examined:** PL5412, Palmwoods National Park, Mt Tamborine, Megan Prance, 7 Apr 2012.

**Notes:** There are several unusual features that make this *Phylloporus* distinctive: sinuate blue green staining gills, growing on wood and the velutinate cap. It is close to *P. hyperion*, but that has decurrent gills and so does *P. orientalis*. The spores are larger than for any of the species listed by Watling & Gregory so it must be assumed this is an undescribed species.