

Phlebopus xanthopus



Phlebopus xanthopus © Sapphire McMullan Fisher

Cap: applanate to plano convex; 25-50 mm diameter; brownish orange to apricot (6B6, 6C6); velvety at first, paler or more apricot toward edge, margin appendiculate.

Stipe: cylindrical with a tapering base in some fruit bodies; 25-40 mm x 10-12 mm; sulphur- to chrome-yellow at apex, concolorous with cap lower down; minutely punctuate but not reticulate, white or yellowish mycelium attached to base.

Pores: ovoid, irregular, some much larger than others, lemon-colour to chrome - yellow, becoming fulvous with age.

Flesh: yellowing very slowly in pileus, pinkish buff in and above tubes, then slowly browning in tubes and upper stipe.

Spore print:

Spores: ovoid to broadly ellipsoid; 5-6 × 3.5-4.5 µm; smooth.

Cheilocystidia: None seen.

Pileipellis: a cutis of repent to closely interwoven cylindrical hyphae 4-6 µm wide.

Habitat: growing singly or in pairs in the ground under *Syncarpia glomulifera* or *Eucalyptus pilularis*.

Notes: It is recognized in the field by the small stature apricot orange cap colour and lemon yellow stipe. The very small, ovoid, unornamented spores are most unusual for a boletoid fungus, but close to *Rubinoboletus phaseolisporus* from WA. This appears to be a *Phlebopus* close to Watling's *P. xanthopus*. But the spore sizes and colours do not quite match that species nor the *Rubinoboletus* in Watling. Halling thinks it should be in *Tylopilus*.

Collections examined: PL 61108, Mapleton Forest, Mapleton, 26 Nov 08.

