

Boletus aff microspermus



Boletus aff microspermus © Pat Leonard

Cap: convex; to 25 mm diameter; minutely velutinate; very bright orange (8A8, 9B8); margin barely appendiculate.

Stipe: cylindrical; 20 × 8 mm; glabrous; orange as cap, but a paler yellowish colour towards apex.

Pores: adnate with a decurrent tooth; cream; more or less ovoid.

Flesh: white to very pale yellow, unchanging.

Spore print: not obtained.

Spores: ellipsoid; 5.5–6.8 × 2.8–4.4 µm, average 6.3 ± 0.35 × 3.5 ± 0.45 µm, Q = 1.49–2.27, average Q = 1.85 ± 0.23; thick-walled, with granular contents.

Basidia: clavate; 35–45 × 11–14 µm; 4-spored.

Cheilocystidia: lageniform; 45–70 × 10–13 µm; brown in KOH, numerous.

Pleurocystidia:

Pileipellis: not observed.

Substrate: in sandy soil.

Habitat: In mixed woodland with *Melaleuca*, *Allocasuarina* and *Eucalyptus*, but nearest to *Allocasuarina*!

Notes: a very small bolete with very distinctive orange colour on cap and stipe and cream pores, also distinctive microscopically on account of its very small spores and numerous lageniform brown cystidia. It is close to Horak's *Boletus microspermus*, but that has a significantly narrower stipe and orange pores.

Collections: PL56413, Arthur Harrold Reserve, Cooloola, Great Sandy National Park, Pat Leonard, 12 Apr 2013; PL8314, Willets Road, Bellthorpe, Pat Leonard, 11 Mar 2014.