

## *Russula aff cyanoxantha*



*Russula aff cyanoxantha* © Katie Syme

**Cap:** applanate with a shallow central depression; up to 55 mm diameter; minutely velutinate; orange red, dark apricot (8B7) mixed with green; margin entire.

**Stipe:** cylindrical to clavate; 30 × 15 mm; vertically ridged; white or pale pink.

**Gills:** adnate; pale cream; lamellulae absent.

**Flesh:** white, unchanging on exposure to air.

**Taste:** mild.

**Chemical reactions:** FeSo<sub>4</sub> on stipe: salmon; guaiac on stipe base: ?

**Spore print:** pale cream.

**Spores:** ellipsoid; 7.6 - 9.1 × 7 - 8.1 μm, average 8.4 (± 0.44) × 7.4 (± 0.37) μm, Q = 1 - 1.24, average Q = 1.14 (± 0.07); subglobose, strongly amyloid, with blunt warts, short ridges and some connectives forming a partial reticulum.

**Basidia:** clavate; 30 - 45 × 12 - 15 μm; four spored.

**Cheilocystidia:** absent?

**Pleurocystidia:** fusoid to clavate; 60 - 70 × ± 10 μm; some mucronate.

**Dermatocystidia:** absent.

**Pileipellis:** an intricate trichoderm with some erect segmented terminal hyphae.

**Habitat:** in wet sclerophyll forest with *Eucalyptus grandis*.

**Notes:** this collection seems very close to Bougher & Syme's *Russula aff cyanoxantha*. The main differences are the pink tinted stem and slightly smaller spores.

**Collections examined:** PL 19608, Central Station, Fraser Island, Pat Leonard, 25 Jun 08.