

Russula sp 12.



Russula sp 12 © Katrina Syme

Cap: convex to planoconvex; to 50 mm diameter; minutely velutinate, matt; violet brown to dark reddish brown (11D7, 11E8); margin entire; peeling up to $\frac{3}{4}$ radius to reveal a rose pink subpellis below.

Stipe: cylindrical, short, attenuated towards base; 25 × 10 mm; white, tinted with bright rose.

Gills: adnate; white; tough, crowded, no lamellulae.

Flesh: white, unchanging on exposure to air.

Taste: mild.

Chemical reactions: FeSo₄ on stipe: nil to faint salmon; guaiac on stipe base: negative.

Spore print: white to pale cream.

Spores: subglobose; 6.6 - 8.4 × 5.5 - 7. μm , average 7.4 (\pm 0.6) × 6.3 (\pm 0.5) μm , Q = 1.05 - 1.36, average 1.18 (\pm 0.08); strongly amyloid blunt warts to 1.5 μm high and connectives forming an almost complete reticulum.

Basidia: clavate with a narrow base, somewhat irregular sides; 30 - 40 × 7 - 10 μm ; mostly four spored.

Cheilocystidia: fusiform with a narrow base; 60 - 80 × 12 - 15 μm .

Pleurocystidia: fusiform, similar to cheilocystidia.

Dermatocystidia: absent.

Pileipellis: a complex trichoderm with short chains of 4 to 5 cells, ovoid at base, cylindrical at apex, terminal cell \pm 15 × 5 μm .

Habitat: with *Eucalyptus* sp. in a wet sclerophyll forest.

Notes: this fungus could be close to *R. rosacea* sensu Fuhrer.

Collections examined: PL 24308, Linda Garrett Park, Montville, Pat Leonard, 28 Mar 08; KS2566, Kildey's Rd, Cootharaba, Cooloola, Kati Syme, 9 Apr 2011.

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