

***ORussula* sp 271107**



***Russula* sp 271107 © Pat Leonard**

**Cap:** applanate to centrally depressed; to 40 mm diameter; viscid when wet, shiny when dry; pastel red (9A5, 9A6), margin faintly pectinate to 1/5<sup>th</sup> radius; peeling ¼ +.

**Stipe:** clavate, hollow; 35 × 15 mm; glabrous; white.

**Gills:** adnate; white to pale cream; no lamellulae.

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

**Taste:** hot.

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

**Spore print:** pale cream, Ib, IIa.

**Spores:** subglobose; 5.8 - 6.7 × 5.5 - 6.5 μm, average 6.4 (± 0.37) × 6 (± 0.4) μm, Q = 1.01 - 1.16, average Q = 1.08 (± 0.06); with amyloid ridges and warts forming a partial reticulum .

**Basidia:** clavate; 25 - 30 × 8 - 10 μm; four spored.

**Cheilocystidia:** numerous, fusiform; 50 - 70 × 8 - 11 μm; some mucronate, a few rostrate.

**Pleurocystidia:** very numerous, fusiform; 50 - 70 × 8 - 13 μm. extending 25 μm beyond basidia.

**Dermatocystidia:** absent.

**Pileipellis:** a trichoderm of narrow hyphae in a gelatinised layer 75 μm deep, hyphae mostly 3 μm wide, but a few terminal cells thicker ± 5 μm wide.

**Habitat:** growing singly or in pairs in wet sclerophyll forest under *Eucalyptus grandis*.

**Notes:** the red cap, white hollow clavate stipe and hot tasting gills characterise this *Russula*. Differs from *R. persanguinea* by having much smaller spores.

**Collections examined:** PL 271107, Linda Garret Park, Montville, Pat Leonard, 28 Nov 07.

