

## *Russula* sp PL 83310



*Russula* sp PL 83310 © Pat Leonard

**Cap:** convex; to 80 mm diameter; velutinous, deep purplish red in outer 2/3rds with a darker centre; up to ¼ peeling; margin downturned, hardly striate at edge.

**Stipe:** clavate; fragile; 60 × 15 mm; glabrous; white with pale pink flush.

**Gills:** adnate; crowded; cream; lamellulae rare.

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

**Taste:** mild.

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

**Spore print:** cream.

**Spores:** subglobose to broadly ellipsoid; 7.4 – 9.1 × 6.8 – 8 µm, average 8.1 ± 0.4 × 7.4 ± 0.4 µm; Q = 1.02 – 1.19, average 1.1 ± 0.07; amyloid ridges and connectives form a complete reticulum.

**Basidia:** clavate; 35 – 55 × 8 – 12 µm four spored.

**Cheilocystidia:** fusoid; 45 – 60 × 8 – 12 µm.

**Pleurocystidia:** fusoid, thin walled; 30 – 50 × 8 – 12 µm.

**Dermatocystidia:** absent

**Pileipellis:** an irregular trichoderm.

**Habitat:** growing singly in wet sclerophyll forest with *Eucalyptus pilularis*.

**Notes:** a very distinctive species, with a very brightly coloured cap like a pristine *R. clelandii*, but that species has warted spores which do not form a reticulum.

**Collections examined:** PL 83310, Palm Woods National Park, Mount Tambourine, Megan Prance, 21 March 2010.