

## *Russula noosaensis*



*Russula noosaensis* © Pat Leonard

**Cap:** appanate to centrally depressed, 40 - 60 mm diameter, matt, greyish ruby (12C6) to rose (11A5) with a greyish bloom; striate to about 1/3 of the radius; peeling to about 1/2 radius.

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

**Stipe:** cylindrical, slightly widened at apex, hollow; 40 - 60 × 8 - 10 mm; glabrous; pale rose pink.

**Flesh:** white, unchanging.

**Taste:** mild.

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

**Spore print:** white.

**Spores:** ellipsoid; 6.5 - 8.5 × 5 - 7.5 μm, average 7.5 × 6.5 μm, Q = 1.13 -1.29, average Q = 1.18 ± 0.05; amyloid short ridges and blunt warts to 1 μm.

**Basidia:** clavate; 30 - 35 × 11 - 15 μm; 4-spored; sterigmata to 5 μm.

**Cheilocystidia:** rare; narrowly clavate with a rostrate apex; 55 - 80 × 10 - 15 μm.

**Pleurocystidia:** narrowly clavate with a rostrate apex, 50 - 60 × 10 - 12.5 μm.

**Dermatocystidia:** none present.

**Pileipellis:** an irregular trichoderm with terminal hyphae 50 - 60 × 5 μm and multiseptate.

**Habitat:** with *Eucalyptus microcorys*, *Eucalyptus pilularis* and possibly *Melaleuca*.

**Notes:** this distinctive ruby *Russula* is common in south-east Queensland and can be readily recognised by its ruby rose colours in the cap and paler stipe and its relatively small stature.

**Material examined:** PL 41607, Maroochy Bushland Botanic Garden, 14 Jun 2007; PL 66607, Maroochy Bushland Botanic Garden, 28 Jun 2007; PL 33409, Noosa National Park, Marcus Beach section, Patrick Leonard; 10 April 2009; KS2566, Kildey's Rd, Cootharaba, Cooloola, Katie Syme, 9 Apr 2011; PL4712, Maroochy Bushland Botanic Garden, Pat Leonard, 17 Jul 2012.