

## *ORussula* sp 5



*Russula* sp. 5 © Pat Leonard

**Cap:** applanate to centrally depressed, 40 - 55 mm diameter; matt, greyish magenta (14C3, 14D5, 14E5, 14E6), dark violet (17F5) to greyish violet, with a greyish bloom; quarter to half peeling; margin entire or very faintly pectinate at edge.

**Gills:** adnate to subdecurrent; white; lamellulae absent.

**Stipe:** cylindrical to clavate; 50 - 60 × 12 - 15 mm; cream with pale rose pink flush.

**Flesh:** white, unchanging, mild.

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

**Spore print:** white.

**Spores:** sub-globose, 6.1 - 9.2 × 6.7 - 8.4 μm, average 8.4 ± 0.5 × 7.5 ± 0.5 μm, Q = 1.06 - 1.23, average Q = 1.13 ± 0.08; blunt warts to 1 μm with some ridges and connectives forming a partial reticulum at most.

**Basidia:** strongly clavate; 35 - 45 × 10 - 13 μm; four spored; sterigmata 5 - 7 μm.

**Cheilocystidia:** narrowly fusiform; thin walled; 45 - 90 × 8 - 14 μm.

**Pleurocystidia:** similar but somewhat smaller.

**Dermatocystidia:** none present.

**Pileipellis:** terminal hyphae 50 - 60 × 5 μm, multiseptate, with ± acute endings, minute punctate ornamentation on terminal segment; could be described as cuticular hairs.

**Habitat:** with *Eucalyptus* and possibly *Melaleuca*.

**Material examined:** PL 42607, Maroochy Bushland Botanic Garden, 11 Jun 07; PL 56607, Lake Baroon Track, Montville, 12 Jun 07; PL 91607, Linda Garret Park, Montville, 30 Jun 2007; PL 351107, MBBG 29 Nov 07; PL 18708, MBBG, 22 Jul 08; PL81313, Linda Garrett, Pat Leonard, 16 Mar 2013.

**Notes:** This small *Russula* is recognised by its distinctive violet cap and pale rose stipe, the stipe is invariably taller than the cap diameter.