

## *Russula* sp 52408



*Russula* sp 52408 © Sapphire McMullan Fisher

**Cap:** convex; up to 90 mm diameter; glabrous but overlain at centre by an areolate layer of paler cuticular cells like velar remains; grey brown with paler centre; striate at margin.

**Stipe:** tapering to base; 50 × 10 mm; glabrous; white.

**Gills:** adnexed, cream, shallow and quite well spaced, lamellulae absent.

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

**Taste:** mild.

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

**Spore print:** cream IIa.

**Spores:** ellipsoid; 7 - 9 × 6.2 - 7.4 μm; average 8 (± 0.4) × 7.8 (± 0.4) μm; Q = 1.06 - 1.29, average 1.17 (± 0.8); weakly amyloid ornamentation of low warts and connectives forming a partial reticulum.

**Basidia:** clavate, 40 - 45 × 10 - 12 μm, four spored.

**Cheilocystidia:** not observed.

**Pleurocystidia:** clavate, thin walled, poorly differentiated.

**Dermatocystidia:** absent.

**Pileipellis:** an intricate trichoderm with an intermittent upper layer of spherical amyloid cells.

**Habitat:** growing singly with *Eucalyptus* in Wallum heath close to the rainforest edge.

**Notes:** This *Russula* cannot readily be placed in any group. The pale velar like remains are similar to those found in *Russula griseoviridis* in New Zealand. Same as SMF 2349.

**Collections examined:** PL 52408, Road to Harry's Hut, Cooloola, Pat Leonard, 13 Apr 2008.