

Pertusaria leucosorodes Nyl., *Acta Soc. Sci. Fenn.* 26(10): 16 (1900)

T: Rampodde, Ceylon [Sri Lanka], 1879, *E.Almquist s.n.*; holo: H-NYL 23821.

Pertusaria scaberula A.W.Archer, *Mycotaxon* 41: 240 (1991). T: Sassafras Ck, Springwood, 65 km W of Sydney, N.S.W., 33°43'S, 150°34'E, 16 July 1988, *A.W.Archer P8*; holo: NSW.

Illustration: A.W.Archer, *Biblioth. Lichenol.* 69: 194, fig. 77 (1997), as *P. scaberula*.

Thallus off-white to greyish white, thin, areolate and cracked, smooth. Isidia absent. Soralia conspicuous, white, becoming numerous towards the thallus centre, flattened and disciform, 0.5–1.5 mm wide. Apothecia not seen.

Chemistry: Thallus K⁺ yellow, KC⁻, C⁻, Pd⁺ yellow; containing thamnolic acid (major), ±lichexanthone (major); rarely with additional norstictic acid.

A corticolous species in W.A., N.T., Qld, N.S.W. and Vic.; also in Sri Lanka, Papua New Guinea and Norfolk Is.

W.A.: Prince Regent River Reserve, NW Kimberley, *A.George 12730* (PERTH). N.T.: Greenant Ck, trail to Tjaetaba Falls, Litchfield Natl Park, 60 km SW of Batchelor, *J.A.Elix 38409* (CANB). Qld: Clarke Ra., 46 km SE of Proserpine, *J.A.Elix 20944* (CANB). N.S.W.: Ben Lomond, 40 km S of Glen Innes, *J.A.Elix 2425* (CANB); Robertson Nature Reserve, Robertson, *J.A.Elix 40732* (CANB). Vic.: Colquhoun S.F., 9 km E of Lakes Entrance, *J.A.Elix 5357* (CANB).

The lichen is characterised by the sterile, sorediate thallus containing thamnolic acid and the frequent occurrence of lichexanthone. *Pertusaria erythrella* is similar in appearance but contains norstictic acid, while *P. psoromica* contains psoromic acid.