

Pertusaria palumensis Elix & A.W.Archer, in A.W.Archer & J.A.Elix, *Nova Hedwigia* 89: 3 (2009)

T: Little Crystal Creek, 12 km E of Paluma, Qld, 19°00'56"S, 146°15'59"E, alt. 330 m, 24 July 2006, J.A. Elix 38052; holo: CANB.

Illustration: A.W.Archer & J.A.Elix, *op. cit.* fig. 3.

Thallus pale greyish green, smooth, isidiate; soredia absent. Isidia numerous, crowded, concolorous with the thallus, irregularly cylindrical, occasionally swollen in the middle, 0.3–0.5 mm tall, 0.10–0.25 mm diam. Apothecia not seen.

Chemistry: containing 4,5-dichlorolichexanthone (major) and 2,4,5-trichlorolichexanthone (minor).

This corticolous species is known only from the type locality in north-eastern Qld.

Pertusaria palumensis is characterised by the pale greyish green isidiate thallus and by its chemistry. It is distinguished from the morphologically similar *P. montpittensis* (*q.v.*) by the absence of the stictic acid chemosyndrome and the presence of 2,4,5-trichlorolichexanthone.