

***Pertusaria xanthosorediata*** A.W.Archer, *Mycotaxon* 41: 252 (1991)

T: Perseverance Dam, SE of Crows Nest, Qld, 27°17'S, 152°07'E, 4 Sept. 1986, *J.Hafellner 18663*; holo: GZU.

Illustration: A.W.Archer, *op. cit.* 243, fig. 12.

Thallus off-white to dull yellow, somewhat cracked. Isidia absent. Soralia bright yellow, erumpent, irregularly rounded, 0.2–0.4 mm diam. Apothecia uncommon, verruciform, hemispherical, concolorous with the thallus, 0.5–0.8 mm diam. Ostiole inconspicuous, concolorous with the thallus, 1 per verruca. Ascospores 8 per ascus, irregularly biseriate, fusiform, smooth, 60–65 × 20–22 µm.

*Chemistry*: Thallus K–, KC+ orange, C+ weak orange, Pd–; containing thiophanic acid (major), stictic acid (major) and constictic acid (trace).

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

Characterised by the yellow thallus with bright yellow soralia, asci with 8 ascospores and the presence of thiophanic and stictic acids.