

Pertusaria trevethensis A.W.Archer, *Mycotaxon* 41: 248 (1991)

T: The Black Gap, Black Trevethen Ra., 21 km SSW of Cooktown, Qld, 4 July 1984, *J.A.Elix 17336*; holo: CANB.

Illustration: A.W.Archer, *op. cit.* 243, fig. 10.

Thallus dull yellow-brown, smooth and glossy, slightly cracked; margin well defined. Soredia and isidia absent. Apothecia conspicuous, verruciform, concolorous with the thallus, scattered, rarely confluent, flattened-hemispherical, 0.5–1.0 mm diam. Ostioles inconspicuous, black, punctiform, 1–4 per verruca. Ascospores 4 per ascus, fusiform, smooth, $80\text{--}105 \times 28\text{--}35 \mu\text{m}$.

Chemistry: Thallus K–, KC–, C–, Pd–; containing stictic acid (major), 4,5-dichlorolichexanthone (minor) and constictic acid (trace).

This endemic, saxicolous species is known only from the type locality in north-eastern Qld.

Qld: type locality, *H.Streimann 30934* (B, CANB).

Characterised by the 4-spored asci and the presence of 4,5-dichlorolichexanthone and stictic acid in the thallus.