

Parmotrema subtinctorium

SYNONYMS

Canomaculina subtinctoria, Parmelia subtinctoria, Rimeliella subtinctoria

FAMILY

Parmeliaceae

AUTHORITY

Parmotrema subtinctorium (Zahlbr.) Hale

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Lichens - Foliose

CURRENT CONSERVATION STATUS

2018 | At Risk – Naturally Uncommon | Qualifiers: DP, SO, Sp

BRIEF DESCRIPTION

Characterised by the grey-green, spreading thallus which is white-maculate ($\times 10$ lens); the simple or branched isidia; and the presence of salazinic acid and norlobaridone in the medulla.

DISTRIBUTION

North Island: Northland (including Three Kings Is), South Auckland (Kaimanawa Ra., Waipakihi Valley), Hawke's Bay (Wairoa), Taranaki (New Plymouth).

Pantropical. Known also from Europe, North America, Asia, and Australia .

HABITAT

Rather rarely collected, mainly from coastal rocks and trees in northern localities.

DETAILED DESCRIPTION

Thallus orbicular to spreading, loosely attached, 5-15 cm diam., corticolous or saxicolous. **Lobes** rounded, 10-15 mm wide, margins crenate, sinuous, sparsely ciliate, cilia 1-1.5 mm long. **Upper surface** pale greenish-yellow to greyish, shining, distinctly white-maculate ($\times 10$ lens) becoming irregularly cracked with age, moderately to densely isidiate. Isidia small, terete, simple to branched, to 1 mm tall, rarely ciliate. **Lower surface** pale brown, rarely darkening centrally, with a wide, pale brown, papillate, naked marginal zone. Rhizines black, simple, frequent, central. **Apothecia** not seen.

Chemistry: Cortex K+ yellow; medulla K+ yellow \rightarrow dark-red, C-, KC+ pink, Pd+ orange; containing atranorin, chloroatranorin, norlobaridone, salazinic acid and \pm usnic acid (tr.).

SUBSTRATE

Corticolous, saxicolous

ATTRIBUTION

Fact sheet prepared by Marley Ford (5 August 2021). Brief description, Distribution, Habitat, Features and Similar taxa sections copied from Galloway (1985, 2007).



Corticolous. Photographer: Marley Ford, Licence: CC BY-NC.



Saxicolous. Photographer: Marley Ford, Licence: CC BY-NC.

REFERENCES AND FURTHER READING

- Galloway D.J. 1985: *Flora of New Zealand: Lichens*. Wellington: PD Hasselberg, Government Printer. 662 pp.
- Galloway D.J. 2007: *Flora of New Zealand: Lichens, including lichen-forming and lichenicolous fungi*. 2nd edition. Lincoln, Manaaki Whenua Press. 2261 pp.

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/parmotrema-subtinctorium/>