



Safety Statement

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Product Name: ABS Viola Tricolor Extract PF

Code: 10346PF

INCI Name: Hydrolyzed Viola Tricolor Extract

ABS Viola Tricolor Extract PF is manufactured by extracting *Viola tricolor* under controlled conditions. The plant part then undergoes hydrolysis and is filtered.

Hydrolyzed viola tricolor extract is of natural origin as it is derived from the *Viola tricolor* plant. While the *Viola tricolor* plant is not commonly used in food preparations, it can be incorporated into salads, to decorate cakes, or served with soft cheeses.¹ Overall, it is typically an edible flower, with multiple applications and biological properties due to the flavonoid content.² Therefore, *Viola tricolor* based materials may be classified as Generally Recognized as Safe (GRAS) according to the FDA's Federal Food, Drug and Cosmetic Act.³

The act states:

Any substance that is intentionally added to food is a food additive, that is subject to premarket review and approval by FDA, unless the substance is generally recognized, among qualified experts, as having been adequately shown to be safe under the conditions of its intended use, or unless the use of the substance is otherwise excluded from the definition of a food additive.³ is of natural origin and commonly used in food and nutritional wellness products.¹ Therefore it may be classified as Generally Recognized as Safe (GRAS) according to the FDA's Federal Food, Drug and Cosmetic Act.³

ABS Viola Tricolor Extract PF was tested using *in vitro* dermal and ocular irritation models. This product was found to be non-irritating in both models. The full report is attached for reference.

The above information supports the safety of ABS Viola Tricolor Extract PF in cosmetic applications at use levels of 2.0 – 4.0%. No further testing is required at this time.

1. "EDIBLE FLOWER GARDENING". University of Vermont Extension, Department of Plant and Soil Science <http://pss.uvm.edu/ppp/articles/edible.html>
2. Koike, A., et al. "Edible flowers of *Viola tricolor* L. as a new functional food: antioxidant activity, individual phenolics and effects of gamma and electron-beam irradiation." *J. Food Chem* 179:6-14 (2015) <http://www.ncbi.nlm.nih.gov/pubmed/25722133>
3. "Federal Food, Drug and Cosmetic Act". U.S Food and Drug Administration. www.fda.gov.

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