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SCCS Scientific Opinion on Acid Yellow 3 (submission II) – SCCS/1631/21

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ABSTRACT

Opinion to be cited as: SCCS (Scientific Committee on Consumer Safety), Opinion on Acid Yellow 3 – C054 (CAS Number 8004-92-0, EC No 305-897-5), submission II, preliminary version of 7 May 2021, final version of 23 July 2021, SCCS/1631/21.

The substance with the INCI name ‘Acid Yellow 3’ (CI 47005) and chemical name ‘1HIndene-1,3(2H)-dione, 2-(2-quinolinyl)-, sulfonated, sodium salts’ is listed under entry 82 of Annex IV to the Cosmetics Regulation (EC) No. 1223/2009 and therefore it is allowed for use as a colorant in cosmetic products. Acid Yellow 3 [mixture of the disodium salts of the mono- and disulfonic acids of 2-(2-quinolinyl)-1H-indene-1,3

(2H)-dione] is intended to be used in non-oxidative hair colouring products up to a maximum on-head concentration of 0.5%. In 2004, the Scientific Committee on Cosmetic and Non-food products (SCCNFP) concluded that the use of Acid Yellow 3 as a hair dye ingredient is deemed acceptable provided that the risk evaluation undertaken for the dietary use of this colouring agent has been based upon sound analysis of

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appropriate studies. In addition, among other remarks, the SCCNFP stated that the identity of the substance was unclear and recommended that a re-evaluation of the Acceptable Daily Intake (ADI) for this food colour should be performed.

The SCCS concludes the following:

- (1) In light of the data provided, does the SCCS consider Acid Yellow 3, safe when used in non-oxidative hair colouring products up to a maximum on-head concentration of 0.5%?

Based on the data provided in the dossier, the SCCS considers that Acid Yellow 3 is safe when used in non-oxidative hair colouring products at on-head concentrations of up to 0.5%.

- (2) Does the SCCS have any further scientific concerns with regard to the use of Acid Yellow 3 in cosmetic products?

A detailed analytical report on the test substance in representative batches and results of the stability tests should be provided to exclude the possibility of the presence of any impurities that may be of concern.

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CRediT authorship contribution statement

Corrado L. Galli (rapporteur): Writing – original draft, Writing – review & editing. **Ulrike Bernauer:** Writing – original draft, Writing – review & editing. **Laurent Bodin:** Writing – original draft, Writing – review & editing. **Qasim Chaudhry:** Writing – original draft, Writing –

review & editing. **Pieter Jan Coenraads:** Writing – original draft, Writing – review & editing. **Maria Dusinska:** Writing – original draft, Writing – review & editing. **Janine Ezendam:** Writing – original draft, Writing – review & editing. **Eric Gaffet:** Writing – original draft, Writing – review & editing. **Berit Granum:** Writing – original draft, Writing – review & editing. **Eirini Panteri:** Writing – original draft, Writing – review & editing. **Vera Rogiers:** Writing – original draft, Writing – review & editing. **Christophe Rousselle:** Writing – original draft, Writing – review & editing. **Maciej Stepnik:** Writing – original draft, Writing – review & editing. **Tamara Vanhaecke:** Writing – original draft, Writing – review & editing. **Susan Wijnhoven:** Writing – original draft, Writing – review & editing. **Aglaia Koutsodimou:** Writing – original draft, Writing – review & editing. **Wolfgang Uter:** Writing – original draft, Writing – review & editing. **Natalie von Goetz:** Writing – original draft, Writing – review & editing.

Data availability

The data that has been used is confidential.

Appendix A. Supplementary data

Supplementary data to this article can be found online at <https://doi.org/10.1016/j.yrtph.2023.105364>.

Further reading

The Opinion on Acid Yellow 3 – C054 (CAS Number 8004-92-0, EC No 305-897-5), Submission II – SCCS/1631/21, May Be Read in Full on the Website of the European Commission's Independent Scientific Committees: Acid Yellow 3 – C054 (CAS No. 8004-92-0, EC. No 305-897-5) - Submission II (europa.eu).