Request for a scientific opinion: Hair Dye 4-Amino-2-nitrodiphenylamine-2’-carboxylic Acid (CAS 117907-43-4) submission III (B087)

1. Background

Submission I for 4-Amino-2-nitrodiphenylamine-2’-carboxylic Acid has been submitted in August 1994 by COLIPA\(^1\) according to COLIPA.

Submission II for 4-Amino-2-nitrodiphenylamine-2’-carboxylic Acid was submitted by COLIPA in July 2005. According to this submission the substance is used as a direct dye in hair dye formulations or as an ingredient in oxidative dying products which may or may not contain a hydrogen peroxide based developer mix up to a final concentration of 2.0% on head.

The Scientific Committee on Consumer safety (SCCS) issued an opinion (SCCS/1302/10) in March 2011 with the conclusions that some aspect related to the genotoxicity potential of this ingredient needed clarification.

The purpose of the present submission III, submitted by Cosmetics Europe\(^2\) in April 2012, is to describe the results of additional UDS in vitro assay together with a safety assessment for the use of this ingredient.

2. Terms of reference

1. Does the Scientific Committee on Consumer Safety (SCCS) consider 4-Amino-2-nitrodiphenylamine-2’-carboxylic acid safe for use as a non-oxidative hair dye with an on-head concentration of maximum 2.0 % taken into account the scientific data provided?

2. Does the SCCS consider 4-Amino-2-nitrodiphenylamine-2’-carboxylic acid safe for use in oxidative hair dye formulations with an on-head concentration of maximum 2.0 % taken into account the scientific data provided?

3. Does the SCCS recommend any restrictions with regard to the use of 4-Amino-2-nitrodiphenylamine-2’-carboxylic acid in any non-oxidative or oxidative hair dye formulations?

\(^1\) COLIPA - European Cosmetics Toiletry and Perfumery Association
\(^2\) COSMETICS EUROPE- ex- Colipa