

## IFRA Listing - Black Pepper Essential Oil

CATEGORY	PRODUCTS	Percentage of Usage
1	Products applied to lips	≤ 5%
2	Products applied to the axillae	≤ 5%
3	Products applied to the face/body using fingertips	≤ 5%
4	Products related to fine fragrances	≤ 5%
5A	Products applied to the body using the hands (palms), primarily leave-on (Body lotion)	≤ 5%
5B	Products applied to the face using the hands (palms), primarily leave-on (Face moisturizer)	≤ 5%
5C	Products applied to the hands using the hands (palms), primarily leave-on (Hand cream)	≤ 5%
5D	Products applied to babies using the hands (palms), primarily leave on (Baby cream, oil, talc)	≤ 5%
6	Products with oral and lip exposure	≤ 5%
7A	Rinse-off products applied to the hair with some hand contact	≤ 5%
7B	Leave-on products applied to the hair with some hand contact	≤ 5%
8	Products with significant anogenital exposure, primarily rinse-off	≤ 5%
9	Products with body and hand exposure, primarily rinse-off	≤ 5%
10A	Household care products with mostly had contact (excluding aerosol/spray products)	≤ 5%
10B	Household care products with mostly had contact (household aerosol/spray products)	≤ 5%
11A	Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate without UV exposure	≤ 5%
11B	Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate with potential UV exposure	≤ 5%
12	Other air care products not intended for direct skin contact, minimal or insignificant transfer to skin	No restrictions

The IFRA standards are based on assessments by the panel of experts of The Research Institute for Fragrance Materials.

It is the responsibility of customers to insure the safety of products manufactured by them.

