EXOdime LOX

Product Information Profile

Last update: 24/04/2024

1. Identity of the substance

- Trade name: Exodime LOX
- INCI name: Lauramine Oxide
- Product type: Nonionic surfactant
- Manufacturing sites:

EOC Surfactants NV
Durmakker 35
9940 Evergem – Belgium
Phone: +32 (0)55 23 58 58

2. Indicative composition

Indicative composition in view of cosmetic labelling:

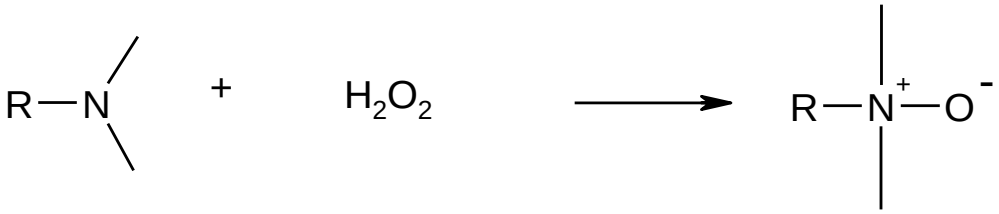
INCI name	CAS number	Quantity (%)
Aqua	7732-18-5	Ca. 70
Lauramine Oxide	1643-20-5	Ca. 30
Total		100

3. Information about the raw materials and manufacturing process

3.1 Origin of raw materials:

Vegetable origin	Yes *More info: see PRF*
Synthetic origin	Yes
Animal origin	No

3.2 Description of the manufacturing process



With R = C12 – C14

3.3 Additives and processing aids

Preservative	Not intentionally added
Antioxidants	Not intentionally added
Solvents	Not intentionally added
Complexing agents	0.01%

4. Microbiological specification

Microbial (aerobic)	<100 CFU/g (dipslide TTC agar)
Yeasts and moulds	<100 CFU/g (dipslide malt agar)
Data on testing for pathogenic micro-organisms	Challenge tests [1] prove the microbial robustness of Exodime LOX against: • Staphylococcus aureus • Escherichia coli • Pseudomonas aeruginosa • Candida albicans • Aspergillus brasiliensis

5. By-products and impurities

Information about residues and by-products:

Substance	Type and concentration	Analytical method
Alkyldimethyl amine	See datasheet	Titration
Hydrogen peroxide	See datasheet	Titration

Information about other contaminants:

Substance	Type and concentration
1.4 - dioxane	Not expected to be present due to raw materials/reaction process
Ethylene oxide	Not expected to be present due to raw materials/reaction process
Solvent residues	Not expected to be present due to raw materials/reaction process
Monomers	Not expected to be present due to raw materials/reaction process
Formaldehyde[2]	Ca. 20 ppm *(Technically unavoidable impurity) – (Results based on the analysis of similar products)*
Nitrosamines[3]	< 50 ppb (LOQ) ATNC as NNO *(Results based on the analysis of similar products)*
Pesticides	Not expected to be present due to raw materials/reaction process
Polyaromatic hydrocarbons	Not expected to be present due to raw materials/reaction process
Heavy metals[4]	Results based on the analysis of similar products • Pb < 1 ppm • Cd < 1 ppm • Hg < 1 ppm • As < 1 ppm • Co < 1 ppm • Cr < 1 ppm • Sb < 1 ppm • Ni < 1 ppm • Cu < 1 ppm

6. Toxicological data

See SDS + ECHA *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/15191*

7. Ecological data

See SDS + ECHA *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/15191*

Note: This document is also valid for the RSPO Mass Balance (MB) grade.

Disclaimer

References

[1] Test report QACS – report 2024-1891/240100447 – date 07/02/2024
[2] Spectrophotometer
[3] Test report LGC Report nr CP-22000030-31, CP22000100-78, CP22000184-129, date 2022
The total amount of present nitrosamines, also called apparent total N-nitroso compounds (ATNC) content, is detected as released nitrous oxide (NNO) by a Thermal Energy Analyser and reported in terms of NNO per g.
[4] Test report Intertek Report 2022-LCM-2650EN, date 10/10/2022