

**3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde
(HMPCC)**

CAS N°: 31906-04-4 and 51414-25-6

Empirical formula: C₁₃H₂₂O₂

Synonyms: 3-Cyclohexen-1-carboxaldehyde, 4-(4-hydroxy-4-methylpentyl)-
3-Cyclohexen-1-carboxaldehyde, 3-(4-hydroxy-4-methylpentyl)-
HMPCC
Hydroxyisohexyl 3-cyclohexene carboxaldehyde (INCI)
4-(4-Hydroxy-4-methylpenyl) cyclohex-3-enecarbaldehyde
3-(4-Hydroxy-4-methylpentyl) cyclohex-3-ene-1-carbaldehyde
Lyrall, Kovanol, Mugonal, Landolal (trade names)

History: Initial reviews: **New Standard**

Current revision date: Not applicable

Implementation date: for new submissions*: April 24, 2003

for existing fragrance compounds*: April 24, 2004

Next review date: November 2004

* This date applies to the supply of fragrance compounds (formulas) only, not to the finished products in the marketplace

STANDARD: RESTRICTED

Limits in the finished product:

<u>Skin contact products:</u>	Non skin contact products: 15%
Leave-on products: 1.5%	Purity: Not applicable
Rinse-off products: 1.5% <i>including household cleaning products</i>	Others: Not applicable

Note box:

Contribution from other sources: None known

Critical effect: Sensitization

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RIFM summaries:

The IFRA Standards aim to prevent induction of sensitisation so that elicitation in pre-sensitised people will decline. The new Standard is therefore based on induction data from HRIPT's and from the LLNA's. In view of the current high level of elicitation and in light of any new data the Standard will be reviewed in two years instead of the usual five.

REXPAN Rationale / Conclusion:

The sensitisation data were reviewed by the RIFM Expert Panel. They concluded that the data support use levels of 1.5%.
