



## Retinal

INCI name:	Retinal
Chemical name:	Retinaldehyde
Trade name:	Retinal
Application	Cosmetics
Packaging:	Airtight aluminium cans
Filling quantity	1 kg/bag 5 kg/bag
Shelf life:	up to 2 years, not opened
Storage conditions:	dry and cool unopened



## Product Spezifikation

# Retinal

Test	Spezifikation	Batch 200410
Appearance	orange to yellow powder	conforms
<b>Identification</b>		
Molecular formular	$C_{20}H_{28}O$	
<b>Properties</b>		
Odor	characteristic oder	conforms
Purity HPLC	> 95,0 %	98,5 %
Aerobic plate	< 100 cfu/ml	conforms
Yeasts & molds	< 10 cfu/ml	conforms
E.Coli	negative	conforms
Pseudomonas aeruginosa	negative	conforms
Heavy metals	negative	conforms

Retinal, also known as vitamin A1 or axerophthol, is a fat-soluble, essential vitamin. Retinal is sensitive to light, air and oxidizing agents and serves the organism as a radical scavenger. Due to the sensitivity of retinal to acids and oxidizing agents the more stable retinal esters or the aldehyde form (retinal) are mostly used in cosmetics.