



## =xper**Chem**

## Vitamin A (Retinal)

INCI name: Retinal

Chemical name: Retinaldehyde

Trade name: Retinal

Application Cosmetics

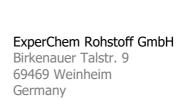
Packaging: Airtight aluminium cans

Filling quantity 1 kg/bag

5 kg/bag

Shelf life: up to 2 years, not opened

Storage conditions: dry and cool unopened





## **Product Spezification**

## Vitamin A (Retinal)

Test	Specification	Batch 200410
Appearance	orange to yellow powder	conforms
Identification		
Molecular formular	C <sub>20</sub> H <sub>28O</sub>	
Properties		
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.