

# Taian Green Industry Co., Ltd.

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## TECHNICAL DATA SHEETS

1. Product name:Retinaldehyde

2. Chemical Name:

All Trans Retinal;

Retinal A;

Vitamin A aldehyde

3. CAS No.:116-31-4

4. MF:C<sub>20</sub>H<sub>28</sub>O

5. MW:284.44

6. Technical specifications

Item	Specifications	Results
Appearance	Yellow powder or crystal	Conforms
Identification	Infrared absorption spectrum should be consistent with the reference substance of the map	Conforms
Solubility	Soluble in ethanol, chloroform, hexane, petroleum ether, oils, almost insoluble in water	Conforms
Melting Point	61-63°C	61.8°C
Residue on ignition	≤0.1%	0.037%
Heavy Metal	≤20ppm	<20ppm
Assay	≥95.0%	98.26%
Conclusion	The results conforms with enterprise standards	

7. Usage

Retinaldehyde is an important signal transduction molecule in the development of the eye, which has many different important roles in the development of the vertebrate eye. Retinaldehyde can be used as an intermediate for  $\beta$ -carotene. It is corotenoid component of the visual pigments. It is converted to retinoic acid in vivo by the action of retinal dehydrogenase.

8. Package

As your requirements