

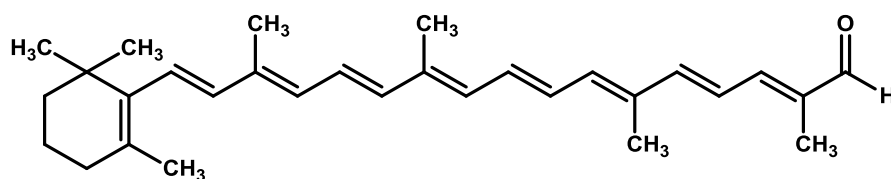


U.S. Pharmacopeia
The Standard of QualitySM

USP Certificate

Apocarotenal

LOT F0K231



Molecular Formula

C₃₀H₄₀O

Molecular Weight

416.65

CAS Number

1107-26-2

LABEL TEXT

For use with specified USP compendial tests. Not for use as a drug. MSDS available on www.usp.org.



APOCAROTENAL 3 x 50 mg
(beta-Apo-8'-Carotenal)

Do not dry. Protect from light.
Dispose of unused material after
use. Store in a freezer.

USP, 12601 Twinbrook Pkwy
Rockville, MD, +1-301-881-0666
CAT. NO. 1040854

LOT: F0K231



Quality Assurance



TYPICAL CHROMATOGRAM

USP Apocarotenal RS

Lot F0K231 (Cat. 1040854)

Monograph: Astaxanthin Esters from *Haematococcus pluvialis*

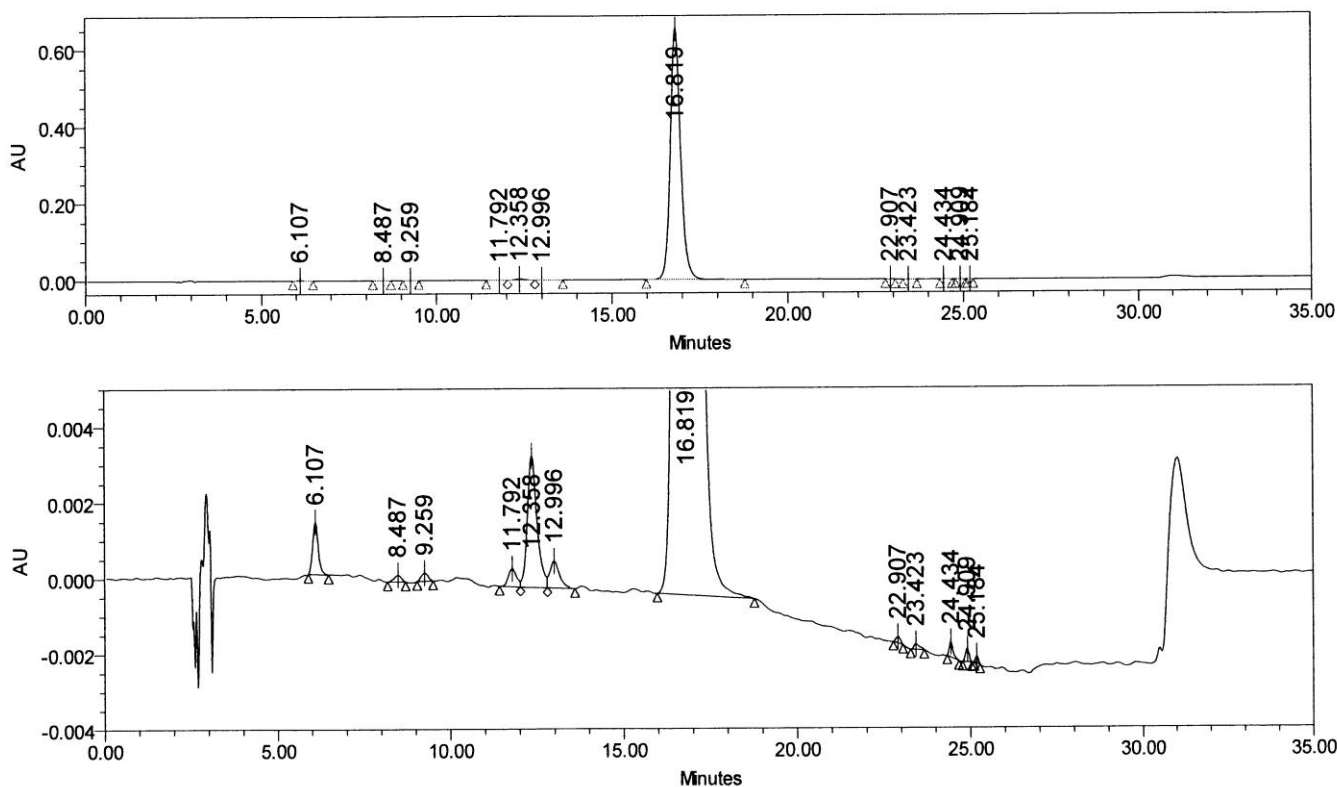
Test: ASSAY – Astaxanthin (Total)

Publication: *Food Chemicals Codex 7, Third Supplement*

Monograph: Astaxanthin Esters from *Haematococcus pluvialis*

Test: ASSAY – Content of Total Astaxanthin

Publication: *Pharmacopeial Forum*, Vol. 38(4) [July-Aug. 2012]



This chromatogram is supplied for information only, unless otherwise specified in an applicable monograph or general chapter.

Calculation Value

Unless otherwise stated on the Reference Standard label, a value of 100.0% should be used in the compendial applications for which the use of this Reference Standard is intended. Please refer to the specific Reference Standard label for further information.

Expiration

Current lots are identified in the current USP Catalog. In some cases, the previous lot may still be considered valid for use. If so, it is identified in the column marked "Previous Lot/Valid Use Date."

It is the responsibility of each user to determine that this lot is current or valid when used. For the most up-to-date information, please refer to the USP Store at www.usp.org.

Instructions for Use

Follow the instructions on the label of the USP Reference Standard and in the appropriate USP documentary standard(s).

Non-Monograph Use

The suitability of this Reference Standard for use in non-compendial applications is solely the responsibility of the user.

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Typical Chromatogram (Form 4 Version 02) G:\11 RSE\05 Current Process Forms\02 Stage 2\03 Typical Chromatogram\30 Typical Chromatogram Template	Effective date April 22, 2012	Department: SSD
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