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# Oleovitamin A and D

## DEFINITION

Oleovitamin A and D is a solution of vitamin A and vitamin D in fish liver oil or in an edible vegetable oil. The vitamin D is present as ergocalciferol or cholecalciferol obtained by the activation of ergosterol or 7-dehydrocholesterol, or from natural sources. Oleovitamin A and D contains NLT 90.0% of the labeled amounts of vitamins A and D.

## ASSAY

• **A. [VITAMIN A ASSAY \(571\)](#).**

**Analysis:** The acceptance criteria may be met by following any one of the specified procedures described in the *Chemical Methods* or *Chromatographic Methods* in the chapter. The method and procedure used should be stated in the labeling.

**Acceptance criteria:** NLT 90.0% of the labeled amount

• **B. [VITAMIN D ASSAY \(581\)](#).**

**Analysis:** The acceptance criteria may be met by following any one of the specified procedures described in the *Chromatographic Methods* in the chapter. The procedure used should be stated in the labeling.

**Acceptance criteria:** NLT 90.0% of the labeled amount

## ADDITIONAL REQUIREMENTS

- **PACKAGING AND STORAGE:** Preserve in tight containers, protected from light and air, preferably under an atmosphere of an inert gas. Store in a dry place.
- **LABELING:** Label it to indicate the content of vitamin A in terms of retinol/g. The vitamin A content may also be expressed in USP Vitamin A Units/g. Label it to show whether it contains ergocalciferol, cholecalciferol, or vitamin D from a natural source. Label it to indicate the vitamin D content, in µg, of ergocalciferol or cholecalciferol/g. Its vitamin D content may be expressed also in USP Vitamin D Units/g.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
OLEOVITAMIN A AND D	<a href="#">Natalia Davydova</a> Scientific Liaison	NBDS2020 Non-botanical Dietary Supplements
REFERENCE STANDARD SUPPORT	RS Technical Services <a href="mailto:RSTECH@usp.org">RSTECH@usp.org</a>	NBDS2020 Non-botanical Dietary Supplements

Chromatographic Database Information: [Chromatographic Database](#)

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