

**Vitamin D<sub>2</sub> Crystal**  
(Ergocalciferol), EP/USP

**Description**

White crystalline powder; Vitamin D plays an important role in metabolism of the body's calcium and phosphorous; promotes bone growth in children and enteric absorption of calcium and phosphorous; accelerates normal calcification of bone matrix. Used widely to prevent or treat rickets, osteomalacia and hypoparathyroidism.

**Solubility**

Acetone (0.0695g/ml); slightly soluble in vegetable oils.

**Melting Point**

115°C - 119°C

**Ergosterol**

0.2% max

**Light Absorption**

0.460 - 0.490 nm

**Specific Optical Rotation**

+ 103" -+ 106"

**Organic Volatile Impurities**

Meets requirements using USP method <467>

**Assay**

40,000,000 IU/gram +/- 3%

**Identification**

Passes test

**Reducing Substances**

Passes test

**Content**

97.0 -103.0%

**Complies With USP And EP**

**Storage**

Preserve in hermetically sealed packaging. Avoid exposure to air, moisture, and light. Flush with nitrogen if container is opened and partially used. Store at 10°C or below.

**Packing**

Metal can: 1x100g and 2x200g per can; sealed in aluminum foil under nitrogen.

Polyethylene/polypropylene bag: 500g or 1kg per bag Box: double corrugated, two-sided kraft paper carton

**Clearance and Safety**

Molasses (saccharose) > G yeast> Ergot> Vitamin D<sub>2</sub> Only chemical reagents are used to manufacture Vitamin D<sub>2</sub>; chemical reactions do not use any materials of animal origin.

*Country of Origin:* CHINA