

# INSOLENT [LABS]

## Cholecalciferol 0.1 MIU/g (VIT D3)

### Product SPECIFICATION

<b>Product Name</b>	Cholecalciferol 0.1 MIU/g (VIT D3)
<b>INCI Name</b>	coleciferol
<b>EINECS Number</b>	200-673-2
<b>CAS Code</b>	67-97-0

The product meets OR exceeds:  
**USP**

<b>Name</b>	Vitamine D3 Powder
<b>Spec.</b>	100,000IU/g
<b>Type</b>	CWS(Food Grade)
<b>1. Appearance</b>	White or off-white flowing powder
<b>2. Loss on drying</b>	≤5.0%
<b>3. Vitamin D3 Content</b>	≥100,000IU/g
<b>4. Solubility</b>	Easily dispersed in cold water 15°C to form a homogeneous and stable emulsion
<b>5. Granularity: go through the sieve of 60 mesh</b>	≥90.0%
<b>6. Heavy Metal</b>	≤10ppm
<b>7. Lead</b>	≤2ppm
<b>8. Arsenic</b>	≤1ppm
<b>9. Mercury</b>	≤0.1ppm
<b>10. Cadmium</b>	≤1ppm
<b>11. Microbial Limit Test</b>	
<b>[1] Total Plate Count</b>	≤1000cfu/g
<b>[2] Yeast and Mold</b>	≤100cfu/g
<b>[3] Coliforms</b>	≤0.3MPN/g
<b>[4] E. Coli</b>	Negative/10g
<b>[5] Salmonella</b>	Negative/25g
<b>[6] S. aureus</b>	Negative/25g

### COMPOSITION

<b>ITEMS</b>	ASSAY
<b>1. Vitamin D3 Crystal</b>	0.3%
<b>2. Corn Oil</b>	1~15%
<b>3. Modified Starch</b>	35~50%
<b>4. Sucrose</b>	5~15%
<b>5. Maltodextrin</b>	25~40%
<b>6. Tocopherol</b>	0.5~2%
<b>7. Sodium Ascorbate</b>	0.5~1%
<b>8. Silicon Dioxide</b>	0~1%

Part or total information is provided as received from our supplier. The data outlined and the Statements made are intended only as a source of information. No warranties, expressed or implied, are made. On the basis of this information it is suggested that you analyze the product on a laboratory scale prior to use in a finished product. The information contained herein should not be construed as permission for violation of patent rights.

# INSOLENT [LABS]

## Cholecalciferol 0.1 MIU/g (VIT D3)

### GENERAL PRODUCT INFORMATION

Mesh of the product	Above 90% passing through 60 mesh
Water solubility	Easily dispersed in cold water 15°C to form a homogeneous and stable emulsion <0.1 g/L at 20 °C
Origin (Synthetic, Fermentation)	Synthetic
Origin (Animal, Vegetal, etc.)	N/A
Is the product and their ingredients FREE of GLUTEN?	Yes
Product is suitable for Vegans	No
Product is suitable for Vegetarians	Yes
Product is free of fructose	Yes
Is this product suitable for food?	Yes
Can be the product used in baby food (According to Directive 2006/141/CE)?	Yes
Pharmacopoeias that product meets	USP/EP
Drug indication	N/A
Melting Point	84-85°C

Part or total information is provided as received from our supplier. The data outlined and the Statements made are intended only as a source of information. No warranties, expressed or implied, are made. On the basis of this information it is suggested that you analyze the product on a laboratory scale prior to use in a finished product. The information contained herein should not be construed as permission for violation of patent rights.

# INSOLENT [LABS]

Cholecalciferol 0.1 MIU/g (VIT D3)

## TECHNICAL PRODUCT INFORMATION

Name of the product	Cholecalciferol 100,000IU/g
IUPAC name	N/A
ATC Code	N/A
Molecular Formula	C <sub>27</sub> H <sub>44</sub> O
Stereochemistry	N/A
Molecular mass	384.64
Raw materials used and their function	Modified Starch, Malt dextrin, Vitamin D3 Oil, Vegetable Oil
Frequency of analysis of each contaminant?	Every batch
Frequency of analysis of microbiology?	Every batch, Every batch
Frequency of analysis of each heavy metals?	Every batch, Every batch

Part or total information is provided as received from our supplier. The data outlined and the Statements made are intended only as a source of information. No warranties, expressed or implied, are made. On the basis of this information it is suggested that you analyze the product on a laboratory scale prior to use in a finished product. The information contained herein should not be construed as permission for violation of patent rights.

# INSOLENT [LABS]

Cholecalciferol 0.1 MIU/g (VIT D3)

## FOREIGN BODIES

Explanation about control of the foreign bodies during the manufacturing process:

Metal detector	Yes	Detection limit: Non-Fe/Stainless steel 1.2mm Fe 0.7mm
Sieve	Yes	60mesh US standard sieve.
Filter	No	
X-Ray	No	
Other	No	

Part or total information is provided as received from our supplier. The data outlined and the Statements made are intended only as a source of information. No warranties, expressed or implied, are made. On the basis of this information it is suggested that you analyze the product on a laboratory scale prior to use in a finished product. The information contained herein should not be construed as permission for violation of patent rights.

# INSOLENT [LABS]

Cholecalciferol 0.1 MIU/g (VIT D3)

## INGREDIENTS

In accordance with the Directive 2003/89/EC We confirm this is the ingredients and their content in %

Vitamin D3 Crystal (Main Ingredient)	0.3%
Corn Oil (Carrier)	1~15%
Modified Starch (Carrier)	35~50%
Sucrose (Carrier)	5~15%
Maltodextrin (Carrier)	25~40%
Sodium Ascorbate (Antioxidant)	0.5~1%
Tocopherol (Antioxidant)	0.5~2%
Silicon Dioxide (Anti-caking)	0~1%

Part or total information is provided as received from our supplier. The data outlined and the Statements made are intended only as a source of information. No warranties, expressed or implied, are made. On the basis of this information it is suggested that you analyze the product on a laboratory scale prior to use in a finished product. The information contained herein should not be construed as permission for violation of patent rights.