

**Product Specification
Sunshine Support**

Information

| | |
|------------|--------------------|
| Client | OSG WATER LTD |
| Date | 2023-11-12 |
| Container | Borosilicate Glass |
| Net weight | 200.00 mL |
| Taste | - |

| Ingredients | Amount | Content % |
|--------------------------------|--------------|---------------|
| Magnesium Chloride Hexahydrate | 84.0 | 76.99 |
| Calcium Chloride Dihydrate | 6.6 | 6.06 |
| Potassium Chloride | 3.5 | 3.20 |
| Vitamin D3V® | 15.0 | 13.75 |
| Total | 109.1 | 100.00 |

The Sunshine Support is part of the Infusion mechanism developed for Skuma as part of the water remineralisation process. Concentration of 2.8mL per litre of purified water is dispensed resulting in the following water content:

| Serving size: 2L | Amount per serving | %DV |
|------------------|--------------------|------|
| Magnesium | 57 mg | 15% |
| Calcium | 10 mg | 1% |
| Potassium | 10 mg | 1% |
| Vitamin D3 | 2400 IU | 200% |



Vitamin D3V® Source Statement

Vitamin D3V® 1miu/g Oil
Vitamin D3V® 100,000iu/g Powder
Vitamin D3V® 40miu/g Crystal

This is to certify that the above-mentioned products are produced using food grade, non-GMO algae commonly used in foods globally.

Origin and Sustainability

The Algae is farmed in Europe, ensuring complete control over its quality and purity. It is completely sustainable and responsibly sourced with no negative impact on the local environment. The Algae has been farmed for food use for decades. It is inspired by the sea, not taken from it.

Purity

No hexane or other harsh solvents are used during the extraction process and there are no residual solvents in the **Vitamin D3V®** ingredients, which comply to US and European Pharmacopoeia standards.

Testing for Aflatoxins and heavy metals has been performed on the algae and the resulting **Vitamin D3V®** ingredients to ensure compliance.

Vitamin D3V® ingredients are 100% plant-source, 100% non-GMO, 100% suitable for Vegans and Vegetarians.

Regulatory and Labelling status

As **Vitamin D3V®** is produced as neat 100% Cholecalciferol rather than as a Vitamin D3-rich plant (algal) extract, it is considered as Vitamin D3 from a regulatory and labelling perspective. Therefore, the exact Algal species is not required for regulatory or labelling purposes. The algae is food grade and commonly used in foods globally, so should any regulatory body request details, we are happy to provide this directly under NDA.

In Europe, **Vitamin D3V®** is "Not Novel" due to the fact it is produced as Cholecalciferol and due to the starting material. **Vitamin D3V®** complies with US FDA and Health Canada requirements and existing specifications (inc. USP and FCC specifications) for Cholecalciferol. The regulatory positioning in these and other regions been confirmed with the assistance of global regulatory experts Intertek.

Vegan Status

Vitamin D3V® is 100% Vegan-suitable and is registered with the Vegan Society.

Vitamin D3V® is also KLBD Kosher and Halal certified.

Marketing Messages

From a marketing perspective, **Vitamin D3V®** can be referred to as “Algal”, “Plant Source” and “Vegan” Vitamin D3.

Manufacturing Quality

Vitamin D3V® ingredients are manufactured at a United States FDA approved facility that operates to cGMP, ISO 9001:2000 and HACCP quality standards.

Version No. 1.0

Date of issue: 27th March 2019

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Specification

Product Name: Vitamin D3V® 1miu/g Oil

Product Ref: D3V01

| | |
|--------------------------------|--|
| Vitamin D3 Concentration (iu) | 1,000,000iu/g |
| Vitamin D3 Concentration (mcg) | 25,000mcg/g |
| CAS No. | 67-97-0 |
| Molecular Formula: | C ₂₇ H ₄₄ O |
| EEC No. | 200-673-2 |
| Details: | Plant-source Vitamin D3 (Cholecalciferol) 1,000,000iu/g Oil. |
| Suitable for Vegetarians: | Yes |
| Suitable for Vegans: | Yes |

Test

| | |
|----------------------------------|-------------------------------|
| Appearance: | Transparent oily liquid |
| Colour: | Colourless to yellow |
| Odour: | Characteristic |
| Peroxide Value: | < 10 Meq/kg |
| Acid Value: | Max. 1.0mg KOH/g |
| Assay: | 900,000 iu/g – 1,100,000 iu/g |
| Heavy Metals: | Max. 3 ppm |
| Lead (Pb): | Max. 0.5 ppm |
| Cadmium (Cd): | Max. 0.1 ppm |
| Arsenic (As): | Max. 0.5 ppm |
| Mercury (Hg): | Max. 0.1 ppm |
| Chromium (Cr): | Max. 0.1 ppm |
| Total Viable Count (TVC): | Max. 1,000 cfu/g |
| Yeasts & molds: | Max. 100 cfu/g |
| E. Coli per g: | Negative |
| Salmonella per 25g: | Negative |
| Staphylococcus Aureus: | Negative |
| Coliforms: | Negative |
| GMO Status: | Non-GMO |
| Irradiation Status: | Non-irradiated |

Specification

TSE/BSE Status:

TSE/BSE free

Packaging

Vitamin D3V® 1µg Oil is supplied in 1kg Aluminium canisters.

Storage & Handling

Store in a cool and dry place, protected from light, heat and oxygen, and below 25°C. It is recommended to use the entire contents after opening, and we recommend any subsequent storage of part-used open bottles to be at or below 4°C.

To be used as per local legislation.

Version No. 3.0

Date of issue: 20th December 2022

Vitamin D3V Europe

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