

## Product Data



### Provitas® K<sub>2</sub> 2500WD

#### Product Description-

Provitas® K<sub>2</sub> 2500WD is a uniform free-flowing, powder which is white to light yellow in color with a bland odor and taste. The active ingredient in K<sub>2</sub> 2500WD is USP grade all-trans-menaquinone-7 and produced by suitable physical and chemical means. The active ingredient, menaquinone-7, is standardized with MCT oil, emulsified with sucrose and conventional gum acacia (E414) and then dried in the presence of conventional food starch. Tricalcium phosphate (E341) is added for flow.

| TEST  | METHODS  | SPECIFICATIONS   |
|---|--|--|
| Description:  | Observation  | Solid - powder   |
| Color:  | Observation  | White to light yellow                                      |
| Odor:   | Observation  | Bland  |
| Identification: <sup>1</sup><br>Chromatography (A)<br>Assay (B)   | USP monograph  | Corresponds to Standard<br>90.0% - 120.0%                  |
| Assay:<br>Menaquinone-7 (ppm)<br>%  | USP  | ≥ 2500<br>≥ 0.25   |
| Heavy Metals:<br>Arsenic, ppm<br>Cadmium, ppm<br>Lead, ppm<br>Mercury, ppm  | JAOAC 2016 99(3)<br>JAOAC 2016 99(3)<br>JAOAC 2016 99(3)<br>JAOAC 2016 99(3) | <1.0<br><1.0<br><2.0<br><0.1                               |
| Microbial purity:<br>APC, cfu/g<br>Coliforms, cfu/g<br>Yeast and mold, cfu/g<br>E. Coli, cfu/g<br>Staphylococcus aureus, cfu/g<br>Salmonella sp., cfu/g | USP<61><br>USP<61><br>USP<62><br>USP<62><br>USP<62><br>USP<62>               | ≤1,000<br>≤100<br>≤100<br>Negative<br>Negative<br>Negative |
| Loss on Drying:<br>%  | USP<731>   | ≤ 5.0  |

1. Specification is informational and not part of release testing but is based on lot specific analysis provided for menaquinone-7 used in the production of K<sub>2</sub> 2500WD

#### Uses-

K<sub>2</sub> 2500WD is intended for use as vitamin K<sub>2</sub> in dietary supplements and fortified foods.

**Solubility-**

K<sub>2</sub> 2500WD is soluble in water

**Stability-**

The shelf life in sealed, original containers under normal storage conditions is 24 months after the date of manufacture.

**Storage-**

Store in tightly closed containers in a cool and dry place. Menaquinone-7 is sensitive to light. Protect from light, heat and oxygen.

**Packaging-**

| <b>PRODUCT CODE<br/>PACKAGE /</b> | <b>PACKAGING DETAILS</b>  | <b>OPTIMUM ORDER<br/>QUANTITIES</b> |
|-----------------------------------|---|-------------------------------------|
| <b>K5161300<br/>100gm Sample</b>  | Aluminum pouch<br>50g net weight<br>4" x 6" (10cm x 15cm)   | each / 50g                          |
| <b>K5161341<br/>10kg carton</b>   | Aluminum bag in fiber carton<br>10kg net weight<br>12kg gross weight<br>11"x15"x10"<br>(28cm x 38cm x 25cm) | 10kg                                |

| Revision History |             |               |                  |                       |
|------------------|-------------|---------------|------------------|-----------------------|
| Revision         | Modified by | Previous Date | Date of Change   | Description of Change |
| 01               | Mac Weber   | ----          | October 11, 2019 | Created form          |