



**Technical Data Sheet**

**Mariendistel WS P.E. 4:1**  
**Milk Thistle WS P.E. 4:1**

**PRODUCT INFORMATION**

|                          |                     |
|--------------------------|---------------------|
| Latin name               | Silybum marianum L. |
| Part Used                | Seed                |
| Origin                   | China               |
| Extraction solvent       | Water               |
| Silybum marianum Extract | Approx 80%          |
| Carrier (Maltodextrin)   | Approx 20%          |

| ITEM           | SPECIFICATION            | METHOD                   |
|----------------|--------------------------|--------------------------|
| Assay          | 4:1                      | TLC                      |
| Appearance*    | Brown Yellow Fine Powder | Visual                   |
| Odor & Taste   | Characteristic           | Organoleptic             |
| Identification | Positive                 | TLC                      |
| Sieve analysis | 100% through 80 Mesh     | 80 Mesh Screen           |
| Loss on Drying | NMT 5%                   | Eu. Pharm. v.v. (2.8.17) |
| Total Ash      | NMT 5%                   | Eu. Pharm. c.v. (2.4.16) |
| Bulk Density   | 0.30-0.70g/ml            |                          |

\*The color may vary

**STATEMENTS**

|                         |  |
|-------------------------|--|
| Food Quality and Safety | Limited use in food recommended  |
| Contaminants            | According to Reg. (EC) 2023/915 for food supplements   |
| Preservative            | Preservative Free  |
| Residual Solvents       | According to Dir. (EC) 2009/32 and amendments  |
| Pesticides              | According to Reg. (EC) 396/2005 and amendments   |
| Microbiology            | Bacterial Count: TAMC-Bacteria <10,000 cfu/g, TYMC <300 cfu/g, Salmonella negative, E. Coli negative, S. Aureus negative |
| GMO                     | GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments   |
| ETO                     | ETO free   |
| Vegan                   | Vegan  |
| Sterilization Method    | High Temperature and Pressure  |
| Irradiation             | No ionization or other radiation is permitted According to Dir. (EC) 1999/2 and 1999/3 and amendments                    |
| BSE/TSE                 | Risk Free BSE/TSE  |
| Allergen free           | According to Reg. (EC) 1169/2011   |
| Nanomaterials           | Absent According to Reg. (EC) 1169/2011  |
| Titanium dioxide        | Absent According to Reg. (EC) 2022/63  |
| Packaging               | According to Reg. (EC) Nr. 10/2011 and 1935/2004 and amendments  |

**STORAGE AND HANDLING**

|            |   |
|------------|---|
| Storage    | Store in a well-closed container away from moisture and direct sunlight |
| Shelf Life | 3 years if sealed and properly stored                                   |

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