



**Technical Data Sheet**

**Purpur-Sonnenhut P.E. 4:1**  
**Echinacea purpurea P.E. 4:1**

**PRODUCT INFORMATION**

|                        |                    |
|------------------------|--------------------|
| Botanic name           | Echinacea Purpurea |
| Part Used              | Herb               |
| Origin                 | China              |
| Extraction solvent     | Ethanol & Water    |
| Echinacea Purpurea P.E | 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 | 5% Max                   | Eu. Pharm. c.v. (2.8.17) |
| Total Ash      | 5% Max                   | Eu. Pharm. c.v. (2.4.16) |
| Bulk Density   | 0.30~0.70g/ml            |                          |

\*The color may vary

**STATEMENTS**

|                         |   |
|-------------------------|---|
| Food Quality and Safety | only for food supplements   |
| Contaminants            | According to Reg. (EC) 2023/915 and amendments  |
| Preservative            | Preservative Free Conforms  |
| 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, Staphylococcus 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 Reg. (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) 1935/2004 and Nr. 10/2011 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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