

TECHNICAL DATA SHEET

0622-TDS-ENG-2025

| ESTRADIOL VALERATO (EUR. PH.) | | |
|--------------------------------------|--|-------------------------------------|
| DESCRIPTION DCI: ESTRADIOL VALERATE | | DESCRIPTION DOE: ESTRADIOL VALERATO |
| CAS Nº: 979-32-8 | EC Nº: 213-559-2 | AEMPS CODE: 160VA |
| MOL. WEIGHT: 356,51 | MOL. FORMULA: C ₂₃ H ₃₂ O ₃ | ARTICLE CODE: 0622 |

| ATTRIBUTES | SHOULD BE |
|---------------------------|---|
| Appearance | White or almost white, crystalline powder or colourless crystals |
| Solubility | Practically insoluble in water, freely soluble in methylene chloride, soluble in ethanol (96 %) |
| Identification A | Complies |
| Identification B | Complies |
| Appearance of solution | Clear and colourless |
| Specific optical rotation | +41 / +47 |
| Related substances | |
| Impurity D | =< 0.4 % |
| Impurity A | =< 0.2 % |
| Impurity C | =< 0.2 % |
| Impurity E | =< 0.15 % |
| Unspecified impurities | =< 0.10 % |
| Total impurities | =< 0.5 % |
| Loss on drying | =< 1.0 % |
| Assay | 97.5 - 102.0 % |

COMPLIES WITH

European Pharmacopoeia 11.0

STORAGE

Keep the container tightly closed, in a cool, dry place. Protected from air and light.

REMARKS

Estradiol Valerate is subjected to the requirements of the ICH Q3D "Elemental Impurities" guideline and the requirements of guides EMA/CHMP/ICH/82260/2006 - ICH Q3C (R6) "Residual solvents".

Absence of N-nitrosamines impurities has been ensured after a risk evaluation according to ICH Q9, ICH M7 and in accordance with guidelines EMA/428592/2019 Rev 2 and EMA/189634/2019.

Certificates of residual solvents, allergens, non-GMO and BSE-TSE, among others, are available upon request.

All methods of analysis are validated by official pharmacopoeias or are validated by internal methods of the manufacturer, which can be obtained at specific request. The above information does not exempt from the obligation to identify the product before use.