



euear

Botanical extracts

euean[®] Sleepiness and tranquiliser

Valerian dry extract
0,8% valerenic acids

by euear EXTRACTION, a french industry
European specialist in botanical extract over 3 generations
Standardised/titrated plant extracts - Custom extracts

eusean®

Sleepiness and tranquilizer range natural

«par excellence»

Roots sourced : our selection

A well nurtured and carefully harvested roots ensures the best quality extract. The valerian roots are cultivated in Europe and tested to guarantee a high quality raw material. Following tests are conducted and each batch of incoming valerian dried roots :

Botanical identification of the roots according to European Pharmacopoeia.

Contaminants controls

- Pesticides residus according to European Pharmacopoeia and food regulation 396/2005
- Heavy metals
- Aflatoxins
- PAH – Polycyclic aromatic hydrocarbon
- Microbiological tests

Extraction process : our expertise

After acceptance of these tests, the raw material will be released and available for extraction process which will includes :

- Grinding of the raw material
- Solvent extraction
- Concentration in liquid form in batches
- A gentle evaporation process under vacuum conditions to conserve the specific active of the raw material.
- Examination and standardisation to Brix degrees of stability
- Drying and packing through a 700 m2 area devoted to cross-checked decontamination respecting GMP-Good Manufacturing Process.

specification sheet

VALERIAN DRY EXTRACT 0.8% valerenic acid

Ethanol 60% v/v extraction of *Valeriana officinalis* L. roots, concentrated and spray dried on maltodextrin.

Packing 25 kg cardboard box
Storage In dry and cool place away from light
Product code E2126BQ

ANALYSES

SPECIFICATIONS

METHODS

CHARACTERISTICS

Organoleptic characters	Beige to light brownish powder with strong smell	EP 2.3.4
IDENTIFICATION		
Thin layer chromatography TLC	Presence of valerenic acid and acetoxyvalerenic acid	EP valerian hyalcoholic dry extract monograph
TRIAL		
Loss on drying (%) m/m	Not more than 6.0	EP* 2.8.17
Granulometry	Not less than 97% through 300 µm	EP* 2.9.12
Heavy metals search	Not more than 20 ppm	EP* 2.4.8 C
Valepotriate seach	No blue coloration	PhX valerian dry extract monograph
Lead content in ppm	Not more than 3	EP* 2.4.27
Cadmium content in ppm	Not more than 1	EP* 2.4.27
Mercury content in ppm	Not more than 0.1	EP* 2.4.27
Arsenic content in ppm	Not more than 1	EP* 2.4.27
Pesticides residues in herbal drug	Conform	EP* 2.8.13
DOSAGE		
Acids sesquiterpene content expressed as valerenic acid (%) m/m	Not less than 0.80	EP* valerian hyalcoholic dry extract monograph
MICROBIOLOGICAL CHARACTERISTICS		
Total aerob germ at 30°C	Not more than 10 000 germs/g	EP* 2.6.12 / 2.6.31
Yeast and moister	Not more than 100 germs/g	EP* 2.6.12 / 2.6.31
Enterobacteria	Not more than 100 germs/g	EP* 2.6.12 / 2.6.31
Staphylococcus aureus	None in 1g	EP* 2.6.12 / 2.6.13
Escherichia coli	None in 1g	EP* 2.6.12 / 2.6.31
Salmonella	None in 25 g	EP* 2.6.12 / 2.6.31

* European Pharmacopoeia





valerenic acid
extracted from roots

euear®

The benefits of pharmaceutical norms

- Several types of know how are brought together
 - 30 years experience in many fields, of which the pharmaceutical area is one
 - **G**ood **M**anufacturing **P**rocess certified
- euear's valerian dry extracts are available
according to the following specifications :

0,25 %, > 0,45 % or > 0,80 %

Total sesquiterpenic acids expressed
as Valerenic acid by HPLC

euear *extraction solution*

French manufacturer of titrated and standardised plant extracts over 3 generations

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GMP

FDA
registered



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