

Crystal pharma | quality in steroids



steroids 

Crystal pharma

Crystal Pharma, is an independent Spanish company specialising in the development and manufacture of steroids for the pharmaceutical industry. Its outstanding manufacturing facilities are located in the "Parque Tecnológico de Boecillo" (The Boecillo Technological Park) situated 180 Km. to the north of Madrid and well supported by an excellent communications system.

pharmaceutical industry



The company is managed and run by a **team of qualified professional chemists** which has great experience and expertise in this type of products. Crystal Pharma started the production in 1997. Its business strategy has been based on the development and manufacturing of high quality active pharmaceutical ingredients. The concept of production quality is linked to the concept of environmental quality, maintaining a thorough control of all its wastes and emissions.



great experience



Crystal pharma

our best guarantee
our quality assurance

The company's areas of interest, always related to steroids, include:

CHEMICAL SYNTHESIS OF GENERIC PRODUCTS
RESEARCH AND DEVELOPMENT
STERILE CRYSTALLIZATION



Crystal Pharma's manufacturing team aims to supply the market with high quality products manufactured under strict GMP conditions. Quality control and quality assurance are given high priority in order to meet International Pharmacopoeias specifications and customer requirements.

synthesis plant



research and development



sterile crystallization



synthesis plant



Crystal Pharma's Synthesis Plant is a multipurpose plant provided with complete reaction units, made in diverse materials, that allow wide ranges of pressure and temperature (between - 80 C and 150 C). The plant is also specialised in several kinds of fluorination reactions. This facility has been designed from the outset in accordance with FDA guidelines.

The preparation of current offered products involves up to one hundred and seventy different chemical reactions. The final physico-chemical operations are carried out inside a validated class 100,000 area. The quality of the filtered air and cascade pressure system prevents contamination of the final product.

The facilities also include a modern and well-equipped pilot plant which permits the development of efficient and reliable processes which take into account and respect the environment.

Along 2005 production capacity will be dramatically increased from 10MT to 25MT.



research and development

Crystal Pharma, is specialized in the development of new processes, which can be designed to ensure the non-infringement of patents, through the application of alternative synthetic procedures. The R&D support facilities, together with the possibilities for process scale-up and plant scale production, make Crystal Pharma the ideal partner for laboratories of generic specialities. At the same time, Crystal Pharma is able to provide and characterise data and samples of related impurities, stability studies and so on, in order to elaborate extensive and complete "Drug Master Files" for its products. In fact Crystal Pharma has submitted different US DMF and E DMF. Several CEP/COS have also been granted by EDQM.

sterile crystallization

Crystal Pharma has invested in quality with a quite unique facility: since 2004 we offer a plant for the manufacture of sterile steroids by crystallization. Our proposal is to offer products with the highest standard of quality. This state-of-the-art technology avoids endotoxins and microorganisms in products to be used for injectables suspensions or ophthalmic ointments. This new plant is also equipped with a microniser specially designed to ensure both the sterility of the products and the highest quality standards for final solid handling.





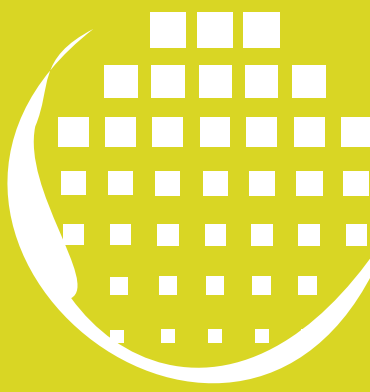
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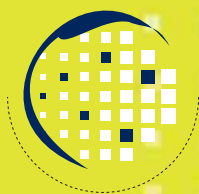


Crystal Pharma

www.crystalpharma.com

list of crystal pharma products

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Alclometasone-17,21-Dipropionate

Beclomethasone-17,21-Dipropionate

Betamethasone-17-Benzoate

Betamethasone-17,21-Dipropionate

Betamethasone-17-Valerate

Betamethasone-21-Phosphate disodium salt

Betamethasone—21—Acetate

Betamethasone-17-Valerate-21-Acetate

Budesonide

Clobetasol-17-Propionate

Cyproterone Acetate

Deflazacort

Dexamethasone—21-Acetate

Dexamethasone-17,21-Dipropionate

Dexamethasone-21-Isonicotinate

Dexamethasone—21—Phosphate disodium salt

Dexamethasone-17-Valerate

Finasteride

Flumethasone

Flumethasone—21-Pivalate

Hydrocortisone-21-Acetate

Hydrocortisone-17-Butyrate

Hydrocortisone-21—Hemisuccinate

Hydrocortisone-21—Phosphate disodium salt

Hydrocortisone-21-Sodium Succinate sterile

Medroxyprogesterone-17-Acetate

Melengestrol Acetate

Methylprednisolone-21-Hemisuccinate

Methylprednisolone-21- Sodium Succinate sterile

Methylprednisolone Acetate

Mifepristone

Mometasone Furoate

Nomegestrol Acetate

Prednicarbate

Prednisolone Base

Prednisolone-21-Acetate

Prednisolone-21-Hemisuccinate

Prednisolone-21-Phosphate disodium salt

Prednisolone 21 Stearoylglycolate

Prednisolone-17-Valerate

Prednisolone-17-Valerate-21-Acetate

Triamcinolone Acetonide

Triamcinolone Acetonide Potassium salt

Intermediates

Diflorasone-17-Propionate-21-Mesyate

Epoxide-17-Chloro-21-Epoxide

**ALL ABOVE PRODUCTS ARE ALSO OFFERED IN
STERILE GRADE. STERILIZATION IS MADE BY
FILTRATION IN STERILE CRYSTALLIZATION PLANT
AT BOECILLO PREMISES.**

CAUTION: Crystal Pharma, S.A. does not offer patented products to countries where valid patents exist. In case of any infringement the onus lies with the buyer.



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