

### Cropel Lifesciences Pvt. Ltd.

Mfg. & Exporter of Hormones, Steroids & General API

Factory: Plot No.3203, Phase-III, G.I.D.C. Chhatral-382729 Ta. -Kalol, Dis.-Gandhinagar, Gujarat, India. TEL.NO.: +919898573384 E-MAIL: sales@cropel.in,

#### BRIEF INFORMATION ABOUT COMPANY'S ACTIVITIES

The company manufacturing of Hormones, steroids and General API started back in 2016 M/S.Kantam Pharma Chem, at Plot No.3203, Phase III, G.I.D.C. Chhatral-382729Ta. -Kalol, Dis.-Gandhinagar, Gujarat, India with a desire to provide Quality Bulk Drugs conforming to Indian and International Pharmacopoeias standards, at the best competitive prices possible, to beneficially serve mankind.

Later in year 2020 the Partnership concern was converted to Private Limited Company in the name of "Cropel Lifesciences Pvt Ltd." with an intent of running the company under set of Company Laws as per directives of Financial Institution.

In year 2016, the above said company after producing Hormones, steroids and General API over long 4 years at Chhatral (Gandhinagar) city site felt badly the need to upgrade itself as per new GMP & off-course to cater to ever increasing domestic as well as international demand. Hence a new company in the name of "Cropel Lifesciences Pvt Ltd." was formed on 2020 with intent to take over the existing operations of Kantam Pharma Chem. The decision to form new company was largely driven by the attraction of Government benefits of setting up new facilities on outskirts of city.

With latest equipment's, technology, Quality Control and an active Research and Development Laboratories, equipped with modern instrument, this facility is truly State of the Art. At **Cropel Lifesciences Pvt Ltd**, principles of GMP are strictly adhered to, for all activities & systems, starting from product design and development through production, distribution & marketing for attaining "Total Quality Management" and "Customer Satisfaction" effectively.

The Company is involved in manufacturing different APIs (Hormones), namely Progesterone, Hydroxy Progesterone Caproate, Dydrogesterone, Norethisterone, Norethisterone Acetate, Methyl cobalamin. The products fully comply with IP, BP, EP, USP & and other International Pharmacopoeias specifications

## Cropel Lifesciences Pvt. Ltd.

#### **HORMONE COMMERCIAL PRODUCTS:**

PRODUCT	PHARMACOPOEIA	CAS No
Progesterone	IP/USP	57-83- 0
Estradiol	IP/USP	50-28- 2
Estradiol Hemi hydrate	BP	35380-71-3
Levonorgestrel	IP/BP/USP/EP	797-63- 7
Norethisterone	IP/USP/BP	68-22- 4
Nandrolone Decanoate	IP/BP/USP/EP	360-70- 3
Nandrolone	IP	434-22- 0
Nandrolone phenyl propionate	IP/BP/USP/EP	62-90- 8
Testosterone	IP/BP/USP/EP	58-22- 0
Testosterone Decanoate	IP/BP/USP/EP	5721-91- 5
Testosterone Enanthate.	IP/BP/USP/EP	315-37-7
Testosterone un Decanoate	IP/BP/USP/EP	5949-44- 0
Testosterone isocaproate	IP/BP/USP/EP	58-22- 0
Testosterone Propionate	IP/BP/USP/EP	57-85- 2
Testosterone Cypionate	IP/BP/USP/EP	58-20- 8
Testosterone phenyl propionate.	IP/BP/USP/EP	1255-49- 8
17α-Hydroxy progesterone Caproate (HPC)	IP/BP/USP/EP	57-83- 0
Melatonin	BP/USP	73-31- 4
Medroxy Progesterone Acetate	BP/USP/EP	71-58- 9
Norethisterone Acetate.	IP/BP/USP/EP	51-98- 9
Norethisterone Enantate.	BP/USP	68-22- 4
Testosterone Acetate.	IP/BP/USP/EP	1045-69-8
Estradiol Valerate.	USP	979-32- 8
Estradiol Benzoate.	USP	50-50- 0
Mifepristone	IP	84371-65-3
Danazole	USP	17230-88- 5
Dydrogesterone GENERAL COMMERCIAL PRODUCTS:	IP	152-62-5

#### **GENERAL COMMERCIAL PRODUCTS:**

PRODUCT	PHARMACOPOEIA	CAS No
Luliconazole	IH	187164-19-8
Itraconazole	BP/USP	84625-61-6
Montelukast Sodium	IP/BP/USP	151767-02-1

## Cropel Lifesciences Pvt. Ltd.

#### STEROID COMMERCIAL PRODUCTS:

PRODUCT	PHARMACOPOEIA	CAS No	DMF STATUS
Beclomethasone Dipropionate	IP/BP/USP	5534-09- 8	CTD Available
Betamethasone Dipropionate	IP/BP/USP/EP	5593-20- 4	CTD Available
Betamethasone Valerate	IP/BP/USP/EP	2152-44- 5	In-process
Betamethasone Sodium Phosphate	IP/BP/USP/EP	151-73- 5	CTD Available
Clobetasole Propionate	IP/BP/USP/EP	21522-46- 7	CTD Available
Clobetasole Butyrate	IP/BP	21522-57- 0	In-process
Deflazacort	IH	14484-47- 0	CTD Available
Dexamethasone Sodium Phosphate	IP/BP/USP/EP	2392-39- 4	CTD Available
Hydrocortisone Acetate	IP/BP/USP/EP	50-03- 3	In-process
Methylprednisolone	IP/BP/USP/EP	83-43- 2	CTD Available
Methylprednisolone Acetate	IP/BP/USP	56-36- 1	CTD Available
Mometasone Furoate	IP/BP/USP/EP	83919-23-7	CTD Available
Prednisolone acetate	IP/BP/USP/EP	52-21- 1	CTD Available
Prednisolone Sodium Phosphate	IP/BP/USP/EP	125-02- 0	CTD Available
Triamcinolone Acetonide	IP/BP/USP/EP	76-25- 5	In-process
Helobetasole Propionate	USP	66852-54-8	In-process
Fluocinolone Acetonide	IP/BP/USP/EP	67-73- 2	In-process
Dexamethasone	IP/BP/USP/EP	50-02- 2	In-process
Dutasteride	IP/BP/USP	164656-23- 9	In-process

#### **VITAMIN PRODUCT:**

PRODUCT	PHARMACOPOEIA	CAS No	DMF STATUS
Methylcobalamin	USP/JP	13422-55-4	CTD Available

## **FORM 25**

(See Rule 70)

# Licence to manufacture for sale (or for distribution) of drugs other than those specified in Schedules C,C(1) and X

Number of licence and date of issue No: G/25/2106 Date: 16-Dec-2020

1. Director

of M/s. <u>CROPEL LIFESCIENCES PRIVATE LIMITED</u> is hereby licensed to manufacture the following categories of drugs being drugs other than those specified in [Schedules C, C(1), and X] to the Drugs & Cosmetics Rules, 1945, on the premises situated at <u>PLOT NO</u>. 3203, PHASE - 3, G.I.D.C., CHHATRAL, TAL. - KALOL, DIST.- GANDHINAGAR - 382 729 under the direction and supervision of the following (competent technical staff):-

(a) Competent technical staff (Names): As Per List

As Per List Approved & Annexed

(b) Names of Drugs (each item to be separately specified)

As Per List Approved & Annexed

- 2. The licence authorises the sale by way of wholesale dealing and storage for sale by the licensee of the drugs manufactured under the licence, subject to the conditions applicable to licence for sale.
- 3. The licence shall be in force From: 16-Dec-2020 To 15-Dec-2025
- 4. The licence is subject to the conditions stated below and to such other conditions as may be specified in the rules for the time being in force under the Drugs and Cosmetics Act, 1940.

Signature : (This Document is Digitally Signed.)

**Designation**:

Dr. H. G. KOSHIA

Commissioner
Food & Drugs Control Administration
Gujarat State.

Date: 28-Feb-2024

#### **Conditions of Licence**

- 1. This licence and any certificate of renewal in force shall be kept on the approved premises and shall be produced at the request of an Inspector appointed under the Drugs and Cosmetics Act, 1940.
- 2. Any change in the [competent technical staff] named in the licence shall be forthwith reported to the Licensing Authority.
- 3. If the licensee wants to manufacture for sale additional items of drugs not included above, he should apply to the Licensing Authority for the necessary endorsement as provided in Rule 69(5). This licence will be deemed to extend to the categories so endorsed.
- 4. The licensee shall inform the Licensing Authority in writing in the event of any change in the constitution of the firm operating under the licence. Where any change in the constitution of the firm takes place, the current licence shall be deemed to be valid for a maximum period of three months from the date on which the change takes place unless, in the meantime, a fresh licence has been taken from the Licensing Authority in the name of the firm with the changed constitution.

REMARKS: <u>License amendment due to change in address of Own Firm.</u>
W. E. F. 28-Feb-2024

Reg ID: **738261** Doc ID: **LI132800002106** 

CROPEL LIFESCIENCES PRIVATE LIMITED

Print Date: 26/03/2024 04:22 PM

Digitally signed by Date: \$024,93,26 16:25 48 + 15:30 Reason Jign Location: AHD

## FORM 28

(See Rule 76)

Licence to manufacture for sale (or for distribution of) drugs specified in Schedules C, C (1) [excluding those specified in schedule X]

Number of licence and date of issue No

G/28/1526

Date: 16-Dec-2020

1. Director

of M/s. <u>CROPEL LIFESCIENCES PRIVATE LIMITED</u> is hereby licence to manufacture at the premises situated at the <u>PLOT NO. 3203, PHASE - 3,G.I.D.C., CHHATRAL, TAL.-KALOL, DIST.-GANDHINAGAR - 382 729</u> the following drugs being drugs specified in schedules C & C (1) (Excluding those specified in schedule X ) to the Drugs and Cosmetics Rules 1945.

Names of Drugs:

As Per List Approved & Annexed

2. Names of approved competent technical staff:

As Per List Approved & Annexed

- 3. The licence authorizes the sale by way of wholesale dealing by the licensee and storage for sale by the licensee of the drugs manufactured under the licence, subject to the conditions applicable to licence for sale.
- 4. The licence shall be in force from

16-Dec-2020

To

15-Dec-2025

5. The licence is subject to the conditions stated below and to such other conditions as may be specified in the rules for the time being in force under the Drugs and Cosmetics Act, 1940.

Signature

(This Document is Digitally Signed.)

**Designation:** 

Dr. H. G. KOSHIA

Commissioner
Food & Drugs Control Administration
Gujarat State.

Date:- 28-Feb-2024

#### **Conditions of Licence**

- 1. This licence and any certificate of renewal in force shall be kept on the approved premises and shall be produced at the request of an Inspector appointed under the Drugs and Cosmetics Act, 1940.
- 2. If the licensee wishes to undertake during the currency of the licence the manufacture of any drug specified in Schedule C and C(1) (excluding those specified in Schedule X) not included above, he should apply to the Licensing Authority for the necessary endorsement as provided in Rule 75(3). This licence will be deemed to extend to the items so endorsed.
- 3. Any change in the (competent technical staff) shall be forthwith reported to the Licensing Authority.
- 4. The licensee shall inform the Licensing Authority in writing in the event of any change in the constitution of the firm operating under the licence. Where any change in the constitution of the firm takes place, the current licence shall be deemed to be valid for a maximum period of three months from the date on which the change takes place unless, in the meantime, a fresh licence has been taken from the Licensing Authority in the name of the firm with the changed Constitution.

REMARKS: License amendment due to change in address of Own Firm. W. E. F. 28-Feb-2024

Reg ID: **734820** Doc ID: **LI117200001526** 

CROPEL LIFESCIENCES PRIVATE LIMITED

Print Date: 26/03/2024 04:23 PM

Signature xalid

Digitally signed by Date 2024.23.26 16:26:34+25:30 Reason sign Location: AHD



# Food & Drugs Control Administration

BLOCK NO. 8, 15t FLOOR, Dr. JIVRAJ MEHTA BHAVAN, GANDHINAGAR, GUJARAT STATE, INDIA. PIN: 382010



Certificate No.: S-GMP & GLP/24095242

# G.M.P. CERTIFICATE

This is to certify that M/s. CROPEL LIFESCIENCES PRIVATE LIMITED, PLOT NO. 3203, PHASE - 3, G.I.D.C., CHHATRAL, TAL. - KALOL, DIST. - GANDHINAGAR - 382 729 is holding valid drug manufacturing licenses in Form No. 25 & 28 bearing No. G/25/2106 & G/28/1526 issued by this administration under the provisions of Drugs & Cosmetics Act 1940 & Rules thereunder. Under the said licenses the firm is permitted to manufacture & sell drugs covered under the following categories.

	Dosage Form (s)		Category (ies)
Bulk Drugs (APIs)		carrier Calles	General
Bulk Drugs (APIs)			Sex Hormone

The firm has employed competent technical staff to undertake manufacturing & testing of the permitted drugs. They are following GOOD MANUFACTURING PRACTICES in manufacturing and testing as laid down under the REVISED SCHEDULE - M of Drugs & Cosmetics Act 1940 & Rules There under.

The manufacturing plant is subjected to inspection at suitable intervals by competent authority.

This certificate is valid from Dt: 09/09/20?4 to 08/09/2026.

 $(Dr. \mathcal{H}/G. KOSHIA)$ 

Commissioner

Food & Drugs Control Administration Gandhinagar, Gujarat State

Email : comfdca@gujarat.gov.in

Phone : 91-79-23253417, Fax: 91-79-232-53400



# Food & Drugs Control Administration, §

Block No. 8, 1st Floor, Dr. Jivraj Mehta Bhavan, Gandhinagar, Gujarat State, India, Pin - 382010



No.: S-GMP & GLP/24095242/B, Dt. -

# G.L.P. CERTIFICATE 12 SEP 2024

This is to certify that M/s. CROPEL LIFESCIENCES PRIVATE LIMITED, PLOT NO. 3203, PHASE - 3, G.I.D.C., CHHATRAL, TAL. - KALOL, DIST. - GANDHINAGAR - 382 729 is holding Drug Manufacturing License in form No. 25 & 28 bearing No. G/25/2106 & G/28/1526 issued by this administration under Drugs & Cosmetics Act, 1940 & Rules thereunder.

The firm is having its own testing laboratory as per Drugs & Cosmetics Act, 1940. The firm is complying with the Good Laboratory Practices (GLP) requirements of "Schedule - L1" of the Drugs and Cosmetics Rules 1945.

This certificate is issued on the basis of the inspection report and other documents submitted in this office as on today and issued for participation in tender for State and Central Governments.

This Certificate is valid up to: 09/09/2024 to 08/09/2026.



(Mr. H. L. RÁVAT)
JOINT COMMISSIONER
Food & Drugs Control Administration
Gujarat State.

# Certificate of Registration

This is to Certify that Environmental Management System of

#### CROPEL LIFESCIENCES PRIVATE LIMITED

PLOT NO: 3203, PHASE-3, G.I.D.C., CHHATRAL TA: KALOL, DIST: GANDHINAGAR - 382729, GUJARAT, INDIA.

has been assessed and found to conform to the requirements of

# ISO 14001:2015

for the following scope:

MANUFACTURER OF PHARMACEUTICAL BULK DRUGS. IAF CODE: 13

Certificate No : 221EKF79

Initial Registration Date : 02/09/2022 Issuance Date : 02/09/2022

Date of Expiry : 01/09/2025

1st Surv. Due : 02/08/2023 2nd Surv. Due : 02/08/2024

Director







### AQC MIDDLE EAST LLC

Head Office: Office No. 02, Ground Floor, Sharjah Media City, Sharjah, UAE. e-mail: info@aqcworld.com, Key Location: A-60, Sector - 2, Noida, Uttar Pradesh, 201301, India.

"Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date. (in ease surveillance audit is not allowed to be conducted, this certificate shall be suspended]withdrawal).

Certificate Verification: Please Re-check the validity of certificate at http://www.aqcoorld.com/activeclients.aspx or www.aqcoorld.com at Active Clients. Certificate is the property of AQC Middle East LLC and shall be returned immediately when demanded

# Certificate of Registration

This is to Certify that Occupational Health & Safety Management System of

#### CROPEL LIFESCIENCES PRIVATE LIMITED

PLOT NO: 3203, PHASE-3, G.I.D.C., CHHATRAL TA: KALOL, DIST: GANDHINAGAR - 382729, GUJARAT, INDIA.

has been assessed and found to conform to the requirements of

# ISO 45001:2018

for the following scope :

MANUFACTURER OF PHARMACEUTICAL BULK DRUGS. IAF CODE: 13

Certificate No : 22IOKH85

Initial Registration Date : 02/09/2022 Issuance Date

Date of Expiry : 01/09/2025

1st Surv. Due : 02/08/2023 2nd Surv. Due : 02/08/2024

Director





ACCREDITED

Management Systems
Certification Body

MSCB-119



: 02/09/2022

### AQC MIDDLE EAST LLC

Head Office: Office No. 02, Ground Floor, Sharjah Media City, Sharjah, UAE. e-mail: info@aqcworld.com, Key Location: A-60, Sector - 2, Noida, Uttar Pradesh, 201301, India.

\*Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date. (in case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawal).

Certificate Verification: Please Re-check the validity of certificate at http://www.aqcworld.com/activeclients.asyx or www.aqcworld.com at Active Clients.

Certificate is the property of AQC Middle East LLC and shall be returned immediately when demanded

# Certificate of Registration

This is to Certify that Quality Management System of

#### CROPEL LIFESCIENCES PRIVATE LIMITED

PLOT NO: 3203, PHASE-3, G.I.D.C., CHHATRAL TA: KALOL, DIST: GANDHINAGAR - 382729, GUJARAT, INDIA.

has been assessed and found to conform to the requirements of

# ISO 9001:2015

for the following scope:

MANUFACTURER OF PHARMACEUTICAL BULK DRUGS.
IAF CODE: 13

Certificate No : 22IQKG92

Initial Registration Date : 02/09/2022 Issuance Date : 02/09/2022

Date of Expiry : 01/09/2025

1st Surv. Due : 02/08/2023 2nd Surv. Due : 02/08/2024







ACCREDITED

Management Systems
Certification Body

MSCB-119



### AQC MIDDLE EAST LLC

Head Office: Office No. 02, Ground Floor, Sharjah Media City, Sharjah, UAE. e-mail: info@aqcworld.com, Key Location: A-60, Sector - 2, Noida, Uttar Pradesh, 201301, India.

\*Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date. (in case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawal).

Certificate Verification: Please Re-check the validity of certificate at http://www.aqeworld.com/activeclients.asyx or www.aqeworld.com at Active Clients.

Certificate is the property of AQC Middle East LLC and shall be returned immediately when demanded





#### PHARMACEUTICALS EXPORT PROMOTION COUNCIL OF INDIA

Branch Office Ahmedabad

7-C, Trade Centre, Near Stadium Cross Road, Navrangpura, Ahmedabad. AHMEDABAD, GUJARAT, 380009.

Email - boahmedabad@pharmexcil.com, Telephone - 079-40050497 Website - https://pharmexcil.com

#### **REGISTRATION - CUM - MEMBERSHIP CERTIFICATE**

(Issued under the provisions of Foreign Trade Policy, Government of India)

Name of the exporter	CROPEL LIFESCIENCES PRIVATE LIMITED						
IEC Number	AAICC9041L	AAICC9041L PAN AAICC9041L Date of Birth / Incorporation 20/08/2020					
Address of the Registered/Head Office	433, GIDC ODHAV, NR. B	433, GIDC ODHAV, NR. BHIKSHUK GRUH, AHMEDABAD, 382415, AHMEDABAD, GUJARAT					
Nature of Concern	Private Limited						
Description of goods/ services for which registered	API's / Bulk Drugs						
Registration Number	RCMC/PHARMEXCIL/00208/2022-2023						
Issued against File Number	RCMCRENEWPHARMEXC00013137AM26						
Registered as	Manufacturer Exporter						
Name of the Proprietor/ Partner(s)/Director(s)/Karta	Prakash Babubhai Dobariya, Kishorkumar Vallabhbhai Kachhadia, Haresh Vallabhbhai Tadhani, Ghanshyam Kachhadia, Mukeshkumar Vallabhbhai Vekaria, Alkesh Kalubhai Sangani, Jayantilal Dhirubhai Bhuva, Mahendrakumar Jethabhai Patel, Jaysukhbhai Sangani						

This certificate is issued as per the details of our records and is subject to the conditions laid down in the relevant scheme of registration of this council.

Issue Date	14/04/2025	Renew upto	31/03/2026

Additional Remarks from Registering Authority: SSM - RENEWAL

Note: Refer DGFT Website (Services - View IEC Related Details - View Any IEC) for IEC Branch and Director details.

Annexure-1 UDINRCMC00034570AM26

Serial No.	Branch Name
1	1-PL 3 GIDC ,PLOT NO 3203,,CHHATRAL , KALOL,GANDHINAGAR,GUJARAT,GANDHINAGAR,382729

Note:Branch name printed on certificate as requested by exporter. However it may be noted that for latest information on branches, may please refer IEC details on DGFT portal ---> under Services ---> View IEC Related Details ---> View Any IEC.

## **Progesterone IP/BP/EP/USP**

#### **Names**

#### **Preferred IUPAC Name:**

(1*S*,3a*S*,3b*S*,9a*R*,9b*S*,11a*S*)-1-Acetyl-9a,11a-dimethyl-1,2,3,3a,3b,4,5,8,9,9a,9b,10,11,11a-tetradecahydro-7*H*-cyclopenta[*a*]phenanthren-7-one

#### Other Names:

Pregnenedione; Pregn-4-ene-3,20-dione

<b>Identifiers</b>	& Pro	perties
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CAS Number	57-83-0	Appearance:	A White or almost white micronized powder
		Odour:	Odourless Powder
Chemical formula	C <sub>21</sub> H <sub>30</sub> O <sub>2</sub>	Specific Optical Rotation:	+186.0° to +194.0°
Molar mass	314.469 g/mol	RS Single Impurity: RS Total Impurity:	NMT 0.5% NMT 0.8%
Melting point	124°C	Assay By UV:	97.0% to 103.0%
Pharmacology			

Routes of administration By mouth, topical/transdermal, vaginal, intramuscular injection, subcutaneous injection, subcutaneous implant

## **Hydroxy Progesterone Caproate IP/USP**

#### Names

#### Preferred IUPAC Name

[(8R,9S,10R,13S,14S,17R)-17-acetyl-10,13-dimethyl-3-oxo-2,6,7,8,9,11,12,14,15,16-decahydro-1H-cyclopenta[a]phenant hren-17-yl] hexanoate

#### Other Names:

Hydroxyprogesterone caproate;
Hydroxyprogesterone hexanoate; 17αHydroxyprogesterone caproate; 17α-OHPC;
17-Hydroxyprogesterone caproate; 17-OHPC;
17-HPC; 17α-HPC; HPC; LPCN-1107; 17αHydroxypregn-4-ene-3,20-dione 17αhexanoate

#### **Identifiers & Properties**

CAS Number	630-56-8	Appearance:	A White or almost white powder		
Chemical formula	C <sub>27</sub> H <sub>40</sub> O <sub>4</sub>	Odour:	Odourless Powder		
Molar mass	428.613 g/mol	Specific Optical Rotation:	+44.0° to +49.0°		
Melting point	120°C-124°C	Assay By UV:	97.0% to 103.0%		

#### Pharmacology

Routes of administration

intramuscular injection, subcutaneous injection.

## **Norethisterone IP/BP/EP/USP**

#### **Names**

#### **Preferred IUPAC Name**:

(8*R*,9*S*,10*R*,13*S*,14*S*,17*R*)-17-ethynyl-17-hydroxy-13-meth yl-1,2,6,7,8,9,10,11,12,14,15,16-dodecahydrocyclopenta[*a*] phenanthren-3-one

#### Other Names:

Ethinylnortestosterone; Norpregneninolone; Anhydrohydroxy-norprogesterone; Ethinylestrenolone; 17α-Ethynyl-19-nortestosterone; 17α-Ethynylestra-4-en-17β-ol-3-one; 17α-Hydroxy-19-norpregn-4-en-20-yn-3-one

identifiers &	Properties
A	A \A/I-

CAS Number	68-22-4	Appearance:	A White or almost white micronized powder	
		Odour:	Odourless Powder	
Chemical formula	C <sub>20</sub> H <sub>26</sub> O <sub>2</sub>	Specific Optical Rotation:	-37° to -33°	
Molar mass	298.426 g/mol	RS Single Impurity: RS Total Impurity:	NMT 0.2% NMT 0.3%	
Melting point	202°C-208°C	Assay:	98.0% to 102.0%	
Pharmacology				

#### **Pharmacology**

Routes of administration By mouth, intramuscular injection, subcutaneous injection.

## **Norethisterone Acetate BP/EP/USP**

#### **Names**

#### **Preferred IUPAC Name**:

 $\begin{array}{l} (8R,9S,10R,13S,14S,17S)\text{-}17\text{-}ethynyl\text{-}13\text{-}methyl\text{-}3\text{-}ox} \\ \text{o-}2,3,6,7,8,9,10,11,12,13,14,15,16,17\text{-}tetradecahydro} \\ \text{-}1H\text{-}cyclopenta[a]phenanthren-17\text{-}yl acetate \\ \end{array}$ 

#### Other Names:

Norethindrone acetate; SH-420;  $17\alpha$ -Ethynyl-19-nortestosterone  $17\beta$ -acetate;  $17\alpha$ -Ethynylestra-4-en- $17\beta$ -ol-3-one  $17\beta$ -acetate

#### **Identifiers & Properties**

CAS Number	38673-38-0	Appearance:	A White or almost white micronized powder		
Chemical formula	C22H28O3	Odour:	Odourless Powder		
Molar mass	340.463 g/mol	HPLC :	NLT 99.0%		
Specific Optical -32° to -35° Assay By HPLC: 97.0% to 102.0% Rotation:					
	Pharmacology				

Routes of administration

By mouth

## **Dydrogesterone** IP/BP/EP/USP

#### **Names**

#### **Preferred IUPAC Name:**

(8S,9R,10S,13S,14S,17S)-17-acetyl-10,13-dimethyl-1,2,8,9,11,12,14,15,16,17-decahydrocycl openta[a]phenanthren-3-one

#### Other Names:

Isopregnenone; Dehydroprogesterone; Didrogesteron; 6-Dehydroretroprogesterone; 9β,10α-Pregna-4,6-diene-3,20-dione;

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		Appearance:	A White or almost white crystalline powder	
CAS Number	152-62-5	Odour:	Odourless Powder	
Chemical formula	C <sub>21</sub> H <sub>28</sub> O <sub>2</sub>	Specific Optical Rotation:	-485° to -469°	
Molar mass	312.446 g/mol	HPLC :	NLT 99.5%	
Melting point 167°C to 171°C Assay By HPLC:			98%-102%	
Pharmacology				

#### Pharmacology

Routes of administration

By mouth, sublingual, injection.

## **Mifepristone IP**

#### **Names**

#### **Preferred IUPAC Name**:

(8S,11R,13S,14S,17S)-11-[4-(dimethyl lamino) phenyl]-17-hydroxy-13-methyl-17-prop-1-ynyl-1,2,6,7,8,11,12,14,15,16-decahydrocyclopenta[a]phenanthren-3-one

#### Other Names:

11β- [p-(Dimethyl amino) phenyl]-17 $\alpha$ -(1-propynyl) estra-4,9-dien-17 $\beta$ -ol-3-one

Identifiers & Properties				
CAS Number	84371-65-3	Appearance:	A slightly yellow crystalline powder.	
Chemical formula	C <sub>29</sub> H <sub>35</sub> NO <sub>2</sub>	Odour:	Odourless Powder	
Molar mass	429.604 g/mol	HPLC:	NLT 99.0%	
Specific Optical Rotation:	+124° to +135°	Assay:	98% - 102%	
Pharmacology				
Routes of administration				

## Medroxyprogesterone Acetate IP/BP/EP/USP

#### **Names**

#### **Preferred IUPAC Name**:

[(6S,8R,9S,10R,13S,14S,17R)-17-acetyl-6,10,13-trimethyl-3-oxo-2,6,7,8,9,11,12,14,15,16-decahydro-1H-cyclopenta[a]phenanthren-17-yl] acetate

administration

#### Other Names:

MPA; DMPA; Methyl hydroxyprogesterone acetate; Methyl acetoxy progesterone; MAP; Methypregnone; Metipregnone; 6α-Methyl-17α-hydroxyprogesterone acetate; 6α-Methyl-17α-acetoxyprogesterone;

#### **Identifiers & Properties**

CAC Neverborn		Appearance:	A white or almost white, crystalline powder.		
CAS Number	71-58-9	Odour:	Odourless Powder		
Chemical formula	C <sub>24</sub> H <sub>34</sub> O <sub>4</sub>	RS Single Impurity: RS Total Impurity:	NMT-1.0 % NMT-1.5 %		
Molar mass	386.532 g/mol	HPLC :	NLT 98.5%		
Specific Optical Rotation:	+45° to +51°	Assay:	97.0% to 103.0%		
Pharmacology					
Routes of By mouth, sublingual, injection, intramuscular injection, subcutaneous injection					

# Dehydroepiandrosterone IH

Names					
!	Preferred IUPAC Na	ame :	Other Names:		
(3aS,3bR,7S,9aR,9bS,11aS)-7-Hydroxy-9a,11a-dime thyl-2,3,3a,3b,4,6,7,8,9,9a,9b,10,11,11a-tetradecahyd ro-1 <i>H</i> -cyclopenta[a]phenanthren-1-one			Androstenolone; Prasterone; Androst-5- en-3β-ol-17-one		
	Identifiers & Properties				
CAS Number	53-43-0 Appearance:		A White or almost white Crystalline Powder		
Chemical formula	C <sub>19</sub> H <sub>28</sub> O <sub>2</sub>	Specific Optical Rotation:	+11.0° to +14.0°		
Molar mass	288.4 g·mol-1	Assay :	98.0% to 102.0%		
Pharmacology					
Routes of administration	By mouth, vaginal (insert), intramuscular injection, injection				

## **Testosterone BP/EP/USP**

	Names					
	Preferred IUPAC Name :		Other Names:			
(1 <i>S</i> ,3a <i>S</i> ,3b <i>R</i> ,9a <i>R</i> ,9b <i>S</i> ,11a <i>S</i> )-1-Hydroxy-9a,11a-dimet hyl-1,2,3,3a,3b,4,5,8,9,9a,9b,10,11,11a-tetradecahydr o-7 <i>H</i> -cyclopenta[ <i>a</i> ]phenanthren-7-one			Androst-4-en-17β-ol-3-one, 17β- Hydroxyandrost-4-en-3-one			
	Ide	ntifiers & Prop	perties			
CAS Number	58-22-0	Appearance:	White or almost white crystalline powder, or colourless or yellowish-white crystals			
Chemical formula	C <sub>19</sub> H <sub>28</sub> O <sub>2</sub>	Melting point	About 155 °C			
Molar mass	288.4 g·mol−1	HPLC	Total Impurities: NMT 0.6 %			
Specific Optical Rotation:	+106.0° to +114.0°	Assay:	98.0% to 102.0%			

# Routes of administration Transdermal, by mouth, in the cheek, intranasal, intramuscular injection, subcutaneous pellets

## **Testosterone Cypionate USP**

#### **Names**

#### **Preferred IUPAC Name**:

androst-4-en-3-one, 17-(3-cyclopentyl-1-oxopr opoxy)-, (17ß)-

#### **Other Names:**

Testosterone cipionate; Testosterone cyclopentylpropionate; Testosterone cyclopentanepropionate; Testosterone 17βcyclopentylpropionate

#### **Identifiers & Properties**

·					
CAS Number	58-20-8	Appearance:	White or creamy white, crystalline powder.		
Chemical formula	C <sub>27</sub> H <sub>40</sub> O <sub>3</sub>	Odour:	odorless or has a slight odor		
Molar mass	412.6 g·mol−1	Melting point	Between 98° and 104°.		
Specific Optical Rotation:	+85.0° to +92.0°	Assay:	97.0% to 103.0%		
Pharmacology					
Routes of administration	Intramuscular injection				

## **Testosterone Propionate IP/BP/EP/USP**

#### **Names**

#### **Preferred IUPAC Name**:

3-Oxoandrost-4-en- $17\beta$ -yl propanoate.

#### **Other Names:**

Testosterone propanoate; Testosterone  $17\beta$ propanoate Propionyltestosterone

	Identifiers & Properties					
CAS Number	57-85-2	Appearance:	A white or almost white powder or colourless crystals.			
Chemical formula	C <sub>22</sub> H <sub>32</sub> O <sub>3</sub>	Melting point	Between 118 °C and 123 °C.			
Molar mass	344.5 g·mol−1	HPLC	Total Impurities: NMT 1.0 %			
Specific Optical Rotation:	+83.0° to +90.0°	Assay:	97.0% to 103.0%			
	Pharmacology					
Routes of administration	Intramuscular injection, buccal					

## **Testosterone Enanthate BP/EP/USP**

Names					
Pref	erred IUPAC Name:			Other Names:	
3-Oxoandrost-4-en-17β-yl heptanoate.			Testosterone heptanoate; Testosterone 17β- heptanoate;		
	Identifiers & Properties				
CAS Number	315-37-7	Appearance:		White or yellowish-white, crystalline powder	
Chemical formula	C <sub>26</sub> H <sub>40</sub> O <sub>3</sub>	Melti	ing point	34 °C to 39 °C.	
Molar mass	400.6 g·mol−1	F	HPLC	Total Impurities: NMT 0.7 %	
Specific Optical Rotation:	+81.0° to +86.0°	A	ssay :	97.0% to 103.0%	
Pharmacology					
Routes of administration	Intramuscular injection, Subcutaneous Injection				

# **Estriol BP/EP/USP**

#### **Names**

#### **Preferred IUPAC Name**:

Estra-1,3,5(10)-triene-3,16 $\alpha$ ,17 $\beta$ -triol.

#### **Other Names:**

Oestriol; Estratriol; Trihydroxyestrin; Trihydroxyoestrin; 16α-Hydroxyestradiol

#### **Identifiers & Properties**

CAS Number	50-27-1	Appearance:	A white or almost white, crystals powder			
Chemical formula	C <sub>18</sub> H <sub>24</sub> O <sub>3</sub>	Residue on Ignition:	NMT 0.1 %			
Molar mass	288.4 g·mol−1	HPLC	Total Impurities: NMT 1.0 %			
Specific Optical Rotation:	+60.0° to +65.0°	Assay:	97.0% to 102.0%			
	Dharmacalagu					

#### **Pharmacology**

Routes of administration

By mouth, vaginal, intramuscular injection

## **Dexamethasone IP/BP/EP/USP**

#### Names

#### **Preferred IUPAC Name:**

(8S,9R,10S,11S,13S,14S,16R,17R)-9-Fluoro-11,17-d ihydroxy-17-(2-hydroxyacetyl)-10,13,16-trimethyl-6,7, 8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclop enta[a]phenanthren-3-one

#### Other Names:

#### **Dexamethasone corticosteroid**

Id	lenti	tiers	8 &	Pr	ор	ert	es

CAS Number	50-02-2	Appearance: Odour:	A White or almost white powder Odourless Powder		
Chemical formula	C <sub>22</sub> H <sub>29</sub> FO <sub>5</sub>	RS Single Impurity: RS Total Impurity:	NMT-0.5 % NMT-1.0 %		
Molar mass	392.467 g·mol⁻¹	HPLC :	NLT 99.0 %		
Specific Optical Rotation:	+72.0° to +80.0°	Assay By HPLC:	96.0% to 104.0%		
Pharmacology					

#### Pharmacology

Routes of administration

By mouth, sublingual, injection, Drops, spray.

# Dexamethasone Sodium Phosphate IP/BP/EP/USP

	Names						
	Preferred IUPAC Na	ame :	Other Names :				
ihydroxy-17-(2-8,9,10,11,12,13	S,13S,14S,16R,17l hydroxyacetyl)-10, 3,14,15,16,17-dode nta[a]phenanthren-	Hexadrol Phosphate					
	Identifiers & Properties						
		Appearance:	A White or almost white powder				
CAS Number	2392-39-4	Odour:	Odourless Powder				
Chemical formula	C <sub>22</sub> H <sub>28</sub> FNa <sub>2</sub> O <sub>8</sub> P	RS Total Impurity:	NMT 1.0 %				
Molar mass	516.4 g·mol⁻¹	HPLC :	NLT 99.0 %				
Specific Optical Rotation: +75.0° to +83.0°		Assay By HPLC:	97.0% to 102.0%				
Pharmacology							
Routes of administration							

# Betamethasone IP/BP/EP/USP

Names						
	Preferred IUPAC Na	Other Names:				
dihydroxy-17-(2 7,8,9,10,11,12	S,13S,14S,16S,17l 2-hydroxyacetyl)-10 ,13,14,15,16,17-doc enta[a]phenanthrer	Betamethasonum				
Identifiers & Properties						
CAS Number	070 44 0	Appearance:	A White or almost white powder			
CAS Number	378-44-9	Odour:	Odourless Powder			
Chemical formula	C22H29FO5	RS Total Impurity:	NMT 2.0 %			
Molar mass	392.46 g·mol−1	HPLC :	NLT 98.0 %			
Specific Optical +118.0° to +126.0° Assay:			96.0% to 104.0%			
Pharmacology						
Routes of administration	By mouth, topical, intramuscular					

## Betamethasone Sodium phosphate IP/BP/EP/USP

#### Names

#### **Preferred IUPAC Name**:

Disodium; [2-[(8*S*,9*R*,10*S*,11*S*,13*S*,14*S*,16*S*,17*R*)-9-fluoro-11,17-dihydroxy-10,13,16-trimethyl-3-oxo-6,7,8,11,12,14,15,16-octahydrocyclopenta[a]phenanthren-17-yl]-2-oxoethyl] phosphate

#### Other Names:

Betamethasone 21-phosphate disodium

#### **Identifiers & Properties**

	<u> </u>						
		Appearance:	A White or almost white powder				
CAS Number	151-73-5	Odour:	Odourless Powder				
Chemical formula	C <sub>22</sub> H <sub>28</sub> FNa <sub>2</sub> O <sub>8</sub> P	RS Total Impurity:	NMT 3.0 %				
Molar mass	516.4 g/mol	HPLC :	NLT 97.0 %				
Specific Optical Rotation:	+98.0° to +104.0°	Assay By HPLC:	96.0% to 103.0%				
Pharmacology							
Routes of administration	By mouth, sublingual, injection, Drops, spray.						

# **Clobetasol Propionate IP/BP/EP/USP**

Names Names						
	Preferred IUPAC Na	Other Names:				
methyl-3-oxo-6	cetyl)-9-fluoro-11-h ,7,8,11,12,14,15,16 henanthren-17-yl] <sub> </sub>	Clobetasol 17-propanoate				
Identifiers & Properties						
		Appearance:	White or almost white, crystalline powder			
CAS Number	25122-46-7	Odour:	Odourless Powder			
Chemical formula	C <sub>25</sub> H <sub>32</sub> CIFO <sub>5</sub>	RS Total Impurity:	NMT 2.0 %			
Molar mass	466.97 g·mol⁻¹	HPLC :	NLT 98.0 %			
Specific Optical Rotation: +112.0° to +118.0° Assay By HPLC:			97.0% to 102.0%			
Pharmacology						
Routes of administration	By mouth, sublingual, injection, Drops, spray.					

# **Clobetasone butyrate BP/EP**

	Names						
]	Preferred IUPAC Name : Other Names:						
	o-9-fluoro-16-meth na-1,4-dien-17-yl bi	Clobetasone 17-butyrate					
Identifiers & Properties							
		Appearance:	A White or almost white powder				
CAS Number	25122-57-0	Odour:	Odourless Powder				
Chemical formula	C <sub>26</sub> H <sub>32</sub> CIFO <sub>5</sub>	RS Single Impurity: RS Total Impurity:	NMT-0.1% NMT-0.5%				
Molar mass	478.99 g⋅mol <sup>-1</sup>	HPLC :	NLT 99.5 %				
Specific Optical Rotation: +131.0° to +138.0°		Assay By UV:	97.0% to 102.0%				
Pharmacology							
Routes of administration	By mouth, sublingual, injection, Drops, spray.						

#### Mometasone Furoate IP/BP/EP/USP

#### **Names**

#### **Preferred IUPAC Name:**

[(8S,9R,10S,11S,13S,14S,16R,17R)-9-chloro-17-(2-c hloroacetyl)-11-hydroxy-10,13,16-trimethyl-3-oxo-6,7, 8,11,12,14,15,16-octahydrocyclopenta[a]phenanthren -17-yl] furan-2-carboxylate

#### Other Names:

mometasone 17-furoate, Mometasone furoate anhydrous

#### **Identifiers & Properties**

		Appearance:	A White or almost white powder			
CAS Number	83919-23-7	Odour:	Odourless Powder			
Chemical formula	C27H30Cl2O6	RS Total Impurity:	NMT 0.3%			
Molar mass	521.43 g·mol−1	HPLC :	NLT 99.4 %			
Specific Optical Rotation:	+50.0° to +55.0°	Assay By HPLC:	97.0% to 102.0%			
Pharmacology						
Routes of	s of By mouth, sublingual, injection, Drops, spray.					

Routes of	By mouth, sublingual, injection, Drops, spray.
administration	

## **Deflazacort IH**

	Names					
_!	Preferred IUPAC Na	ame :	Other Names:			
, , , , ,	cetyloxy)-11-hydro [17,16-d] oxazole-3	Deflazacort				
Identifiers & Properties						
CAS Number	14484-47-0	Appearance: Odour:	White to creamy white crystalline powder.			
Chemical formula	C25H31NO6	RS Total Impurity:	NMT 2.0%			
Molar mass	441.52 g·mol−1	HPLC :	NLT 98.0 %			
Specific Optical +57.0° to +65.0° Rotation:		Assay By HPLC:	97.0% to 102.0%			
Pharmacology						
Routes of administration	By mouth					

# **Methyl Prednisolone IP/BP/EP/USP**

Names						
<u> </u>	Preferred IUPAC Na	ame:	Other Names:			
	solone; 11β,17,21-tri 1β,17,21-Trihydroxy e	11β,17,21-trihydroxy-6α-methylpregna-1,4- diene-3, 20-dione				
Identifiers & Properties						
CAS Number	83-43-2	Appearance: Odour:	A white or almost white, crystalline powder.			
Chemical formula	C22H30O5	RS Total Impurity:	NMT 2.0 %			
Molar mass	374.5 g·mol−1	HPLC :	NLT 98.0 %			
Specific Optical Rotation: +79.0° to +86.0° Assay By HPLC:		97.0% to 102.0%				
	Pharmacology					
Routes of administration By mouth, intramuscular, intra-articular, intravenous						

## **Methyl Prednisolone Sodium Succinate USP**

#### Names

#### **Preferred IUPAC Name:**

4-[2-[(6S,8S,9S,10R,11S,13S,14S,17R)-11,17-dihydr oxy-6,10,13-trimethyl-3-oxo-7,8,9,11,12,14,15,16-oct ahydro-6H-cyclopenta[a]phenanthren-17-yl]-2-oxoeth oxy]-4-oxobutanoic acid

#### Other Names:

Methylprednisolone 21-succinate sodium salt

#### **Identifiers & Properties**

Tachtmore & Froperties						
CAS Number	2375-03-3	Appearance: Odour:	White or nearly white, odourless, hygroscopic, amorphous solid Powder			
Chemical formula	C <sub>26</sub> H <sub>33</sub> NaO <sub>8</sub>	Specific Optical Rotation:	+96.0° to +104.0°			
Molar mass	496.5 g·mol−1	Assay:	97.0% to 103.0%			
Pharmacology						
Routes of administration						

# **Latanoprost IP/BP/EP/USP**

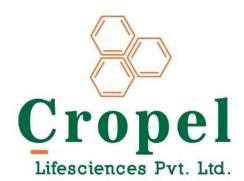
Names							
Preferred IUPAC Name :			Other Names:				
propan-2-yl ( <i>Z</i> )-7-[(1 <i>R</i> ,2 <i>R</i> ,3 <i>R</i> ,5 <i>S</i> )-3,5-dihydroxy-2-[(3 <i>R</i> ) -3-hydroxy-5-phenylpentyl]cyclopentyl]hept-5-enoate			Latanoprost (isopropyl ester)				
Identifiers & Properties							
CAS Number	130209-82-4	Appearance:	Clear, colourless or yellow, viscous, oily liquid				
Chemical formula	C <sub>26</sub> H <sub>40</sub> O <sub>5</sub>	Specific Optical Rotation:	+31.0° to +38.0°				
Molar mass	432.6 g·mol−1	Assay:	94.0% to 102.0%				
Pharmacology							
Routes of administration	Topical eye drops						

# **Bimatoprost IH**

Names							
Preferred IUPAC Name :			Other Names:				
(Z)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(1E,3 S)-3-hydroxy-5-phenyl-1-pentenyl]cyclopentyl] -N-ethyl-5-heptenamide			Bimatoprost				
Identifiers & Properties							
CAS Number	155206-00-1	Appe	earance:	White or almost white powder			
Chemical formula	C <sub>25</sub> H <sub>37</sub> NO <sub>4</sub>	Residue on Ignition:		NMT 0.2 %			
Molar mass	415.6 g·mol−1	HPLC		Total Impurities: NMT 1.0 %			
Specific Optical Rotation:	+33.0° to +39.0°	As	ssay:	97.0% to 101.0%			
Pharmacology							
Routes of administration	Eye drops						

# **Methylcobalamin IP/JP**

Names						
	Preferred IUPAC Na Carbanide; cobalt(3-		Other Names : Mecobalamin			
Identifiers & Properties						
CAS Number	13422-55-4	Appearance:	A Saffron or Red Colour Crystals			
Chemical formula	C63H91C0N13O14P	Odour:	Odourless Powder			
Molar mass	1344.405 g/mol	RS Single Impurity : RS Total Impurity :	NMT-0.5% NMT-2.0%			
HPLC :	NLT 98.0%	Assay By HPLC:	NLT 98.0%			
Pharmacology						
Routes of administration	By mouth, sublingual, injection.					



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