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CERTIFICATE OF ANALYSIS

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Product Name **MEDROXYPROGESTERONE ACETATE MICRONIZED**

According to Ph.Eur. - USP

Batch Nr. **2172AM0** **A0351924** Manufacturing Date **09/2019** Expiration Date **09/2024**Analysis record Nr. **201906181** Net weight Nr. of packages CoA Version **2.0****Appearance** White to almost-white, crystalline powder. Insoluble in Water, freely soluble in Chloroform and Methylene Chloride; soluble in Acetone and Dioxane; sparingly soluble in Alcohol and Methanol; slightly soluble in Ether.

TESTS	RESULTS	SPECIFICATIONS	UNITS
IDENTIFICATION (IR,UV methods)	COMPLIES	COMPLIES	
WATER CONTENT (KF)	0.04	<= 0.5	%
LOSS ON DRYING (after 3 hours at 100° - 105 °C)	0.26	<= 1.0	%
SPECIFIC OPTICAL ROTATION (USP) (c = 1% in Dioxane)	+48.0	+45.0 - +51.0	° o.d.b.
SPECIFIC OPTICAL ROTATION (EP) (c = 1% in Acetone)	+50.6	+47.0 - +53.0	° o.d.b.
SPECIFIC ABSORBANCE (in Ethanol at about 241 nm)	419.8	408.0 - 432.0	A(1%,1cm) o.d.b.
RESIDUE ON IGNITION	0.03	<= 0.1	%
RELATED SUBSTANCES (HPLC method)			
6β-Hydroxymedroxyprogesterone Acetate (Imp.A-EP)	N.D.	<= 0.1	% Vs Std
17α-alfa-methyl-17-Keto-D-Homo Medroxyprogesterone (Imp.I-EP)	0.07	<= 0.2	% Vs Std
Hydroxyprogesterone Acetate (Imp. H - EP)	N.D.	<= 0.10	% Vs Std
Medroxyprogesterone (Imp.B - EP)	0.06	<= 0.2	% Vs Std
D-Homo Medroxyprogesterone Acetate (Imp.C - EP)	N.D.	<= 0.1	% Vs Std
Megestrol Acetate (Imp.G - EP)	N.D.	<= 0.1	% Vs Std
6β-Methyl Analog (Imp.D - EP)	0.09	<= 0.5	% Vs Std
6-Methylenacetoxypregesterone (Imp.E - EP)	0.05	<= 0.2	% Vs Std
Any unspecified impurity	N.D.	<= 0.10	% Vs Std
Total impurities	0.27	<= 1.0	%
4,5-Dihydro Analog (Imp.F - EP, Imp.A-USP)	0.47	<= 0.5	% Vs Std
ASSAY (HPLC method)	99.0	97.0 - 103.0	% *
ASSAY (Spectrophotometric method)	100.0	97.0 - 103.0	%
MELTING POINT	207.7	205.0 - 209.0	° C

* as C24H34O4 on dried basis referred to the Std.

Assay Date 28/11/2019	Print Date 06/03/2020	Q.C. department FABIO VECCHIO	Release Date 29/11/2019	Qualified Person SABRINA ABBIATI
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"Certificate of Conformance (CoC)": The Qualified Person hereby confirm that that the API has been manufactured and packaged in compliance with cGMP, the product registration, applicable laws or regulations and tested according to the approved specifications.
This Certificate of analysis has been produced by a electronic validated system and it is valid without a signature.



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According to Ph.Eur. - USP

Analysis record Nr.	201906181	Net weight	Nr. of packages	CoA Version	2.0
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* as C₂₄H₃₄O₄ on dried basis referred to the Std.

Qualified Person
SABRINA ABBIATI

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