ARL BIO PHARMA
840 RESEARCH PARKWAY, SUITE 546
OKLAHOMA CITY, OK 73104
PHONE (405) 271-1144
FAX (405) 271-1174

Certificate Of Analysis

CLIENT: BET Pharmacy-KY
Web Report

ARL #: 472760-01
LOT #: 29637@1
DESCRIPTION: Estradiol Cypionate 10 mg / mL
DATE RECEIVED: 06 / 08 / 2018
STORAGE: 20°C to 25°C (68°F to 77°F)
CONTAINER: Six 30mL amber vials w / 30mL each in clear bags

Analyte / Specifications	Expected Amount	Units	Results	% Of EXP.	Test Method	Date Tested
Estradiol Cypionate Specifications = 90.0% - 110.0%	10	mg / mL	9.8345	98.3%	HPLC	6 / 13 / 2018

The potency method(s) used for testing passed system suitability requirements per ARL SOP AMP-012 for non-cGMP analysis. Product specific method validation is not available for this sample and specification(s) are for informational purposes only. Client should verify the specification and analyte reported are correct for the compounded formulation.

Wen Yang - Chemist

06 / 14 / 2018
Date Reported

ARL Form QUF-078-V4 03/05/2010

Results reported above relate only to the sample that was tested.

ARL BIO PHARMA
840 RESEARCH PARKWAY, SUITE 546
OKLAHOMA CITY, OK 73104
PHONE (405) 271-1144
FAX (405) 271-1174

Microbiology Report

CLIENT: BET Pharmacy-KY
Web Report

ARL #: 472760-01
LOT #: 29637@1
DESCRIPTION: Estradiol Cypionate 10 mg/mL
DATE RECEIVED: 06/08/2018
STORAGE: 20°C to 25°C (68°F to 77°F)
CONTAINER: Six 30mL amber vials w/ 30mL each in clear bags

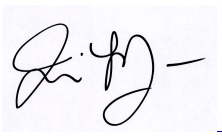
ANALYSIS	Limits	Results	Test Method	Date Tested
Sterility (*Preliminary*)	Sterile / Not Sterile	No Growth at 3 Days	USP <71>	06/08/2018
Endotoxin	16.67 EU/mcg	<0.001 EU/mcg	USP <85>	06/13/2018
Fungal	Sterile / Not Sterile	No Growth at 4 Days	MBI-114	06/08/2018

The citation to USP <71> is conditioned on the accuracy of our customer's verification that the sampling program complies with the provisions of USP <71>.

Sterility – This preliminary report was issued after approximately 72 hours of incubation. In accordance with the test methodology, the sample will be incubated for 14 days; if there is any change in the sample a supplemental report will be issued.

Fungal – This preliminary report was issued after approximately 4 days of incubation. In accordance with the test methodology, the sample will be incubated for 14 days; if there is any change in the sample a supplemental report will be issued.

Endotoxin - To calculate the endotoxin limit use the following formulae: EL = K/M where K = tolerance limit (EU/kg) and M = Maximum dose/kg/hour or Maximum dose/kg
Parenteral: K is 5 EU/kg for any route of administration /Intrathecal: K is 0.2 EU/kg body weight)
Radiopharmaceutical parenteral: K is 175/V or Intrathecal radiopharmaceuticals: K is 14/V, where V is the maximum recommended dose in mL.
Dermal Application: K/M, where K = 5 EU/kg and M is the (maximum dose/m2/hour × 1.80 m2)/70 Kg.



Jessica Pagan - Microbiologist

06/13/2018
Date Reported

ARL Form QUF-078-V6 11/26/2012

Results reported above relate only to the sample that was tested.

ARL BIO PHARMA
840 RESEARCH PARKWAY, SUITE 546
OKLAHOMA CITY, OK 73104
PHONE (405) 271-1144
FAX (405) 271-1174

Microbiology Report

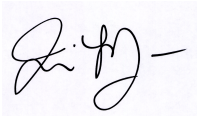
CLIENT: BET Pharmacy-KY
Web Report

ARL #: 472760-01
LOT #: 29637@1
DESCRIPTION: Estradiol Cypionate 10 mg/mL
DATE RECEIVED: 06/08/2018
STORAGE: 20°C to 25°C (68°F to 77°F)
CONTAINER: Six 30mL amber vials w/ 30mL each in clear bags

ANALYSIS	Limits	Results	Test Method	Date Tested
Sterility	Sterile / Not Sterile	No Growth at 14 Days (subcultured) *	USP <71>	06/08/2018
Fungal	Sterile / Not Sterile	No Growth at 14 Days (subcultured) *	MBI-114	06/08/2018

The citation to USP <71> is conditioned on the accuracy of our customer's verification that the sampling program complies with the provisions of USP <71>.

* This is not a final result. After 14 days of incubation, the material being tested rendered the media turbid so that the presence or absence of microbial growth cannot be readily determined by visual examination. Per USP <71>, the sample will be inoculated into new growth media and incubated for an additional 4 days before the test is complete. An updated report will be issued at the conclusion of the test.



06/22/2018

Jessica Pagan - Microbiologist — Date Reported

Sterility – 14 day sterility report. In accordance with the test methodology, the sample was incubated for 14 days.

Fungal – 14 day fungal report. In accordance with the test methodology, the sample was incubated for 14 days.

Results reported above relate only to the sample that was tested.