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 #: 474371-01
LOT #: 29653@3
DESCRIPTION: Thyroxine Microparticles 50 mg
DATE RECEIVED: 06/15/2018
STORAGE: 2°C to 8°C (35.6°F to 46.4°F)
CONTAINER: Ten 5mL amber vials w/ powder and ten 5mL clear vials w/ 3mL each in clear bag

Analyte / Specifications	Expected Amount	Units	Results	% Of EXP.	Test Method	Date Tested
Thyroxine (T4) Specifications = 90.0% - 110.0%	50	mg/vial	45.3376	90.7%	HPLC	6/22/2018

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.

Erlir Majko - Chemist III

06/29/2018
Date Reported

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

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

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Microbiology Report

CLIENT: BET Pharmacy-KY
Web Report

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ANALYSIS	Limits	Results	Test Method	Date Tested
Sterility (*Preliminary*)	Sterile / Not Sterile	Sterile	USP <71>	06/15/2018
Endotoxin	35.97 EU/mcg	<0.002 EU/mcg	USP <85>	06/21/2018
Fungal	Sterile / Not Sterile	Sterile	MBI-114	06/15/2018

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.

Kerri Hirst - Microbiologist II

06/22/2018
Date Reported

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

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Microbiology Report

CLIENT: BET Pharmacy-KY
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ANALYSIS	Limits	Results	Test Method	Date Tested
Sterility	Sterile / Not Sterile	Sterile	USP <71>	06/15/2018
Fungal	Sterile / Not Sterile	Sterile	MBI-114	06/15/2018

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>.

Kerri Hirst

Kerri Hirst - Microbiologist II

06/29/2018
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.