		EALTH AND HUMAN		
DISTRICT ADDRESS AND FIXA		DRUG ADMINISTRATION	DATE(S) OF INSPECTION	
N 37	Dr., Bldg. 200, Ste. 500		02/04/2014 - 03/21/2014*	
Nashville, TN (615) 366-780	TN 37217-2597 801 Fax:(615) 366-7802		1000391015	
Industry Info	rmation: www.fda.gov/oc/in	ndustry		
CONTRACT DESCRIPTION AND A				
TO: John W.	Hollis, President & Owner	STREET ADDRESS		<u> </u>
	Inc dba John Hollis	110 20th Avenue North		
Pharmacy CHY, STATE ZP COXE COUNTY		TYPE ESTABLISHMENT INSPECTED		
Nashville, TN	(4)	Producer of Sterile Drug Products		
observations, and do no observation, or have it action with the FDA r	reservations made by the FDA representative to represent a final Agency determination implemented, or plan to implement, correct epresentative(s) during the inspection or state act FDA at the phone number and address	regarding your compli- tive action in response ubmit this information	ance. If you have an objection rega to an observation, you may discuss	rding an the objection or
DURING AN INSPEC	TION OF YOUR FIRM WE OBSERVED:			
OBSERVATION	Ì			
Procedures designe validation of the ste	d to prevent microbiological contamin rilization process.	ation of drug produc	ts purporting to be sterile do no	t include
Specifically,				
sterilize products u	ed for (b) (d) sterilization of pellets inder its conditions of use sterilization of finished drug products (b) (4)			ability to have not been
products has no dat Endotoxin burden a ensure sterilization parameters, such as	ted for the sterilization of finished process to support its ability to sterilize contained challenges, load configurations, ter of finished product containers and clost time, temperature, and pressure. Autorhich they are processed. No data existed to be a month.	ainers, closures, and imperature mapping, sures. No documenta oclaved containers, cl	equipment under its condition of and heat penetration have not be ation is maintained for critical places and equipment are store	of use. een evaluated to rocess ed in the
and physic components. On 2/ type of environmen	thring beta sterilization of injectable of cal and chemical compatibility for each 1/14, I observed the components for an etal controls in place. Per management, sterilization. No studies have been consistence as a control of the c	h injectable drug pro a injectable drug pro , this practice is perf	duct formulation made from no duct mixed in the preparation ro ormed each time an injectable d	n-sterile drug oom without any rug product is
d) (b) (4) to documented when	esting is not performed each time an in (b) (4) testing is performed.	jectable drug produc	t is ^{(b) (4)} sterilized. No record o	f testing is
e) Smoke studies h	ave not been performed and document	ed for static or dynas	mic conditions in the laminar air	
SEE REVERSE OF THIS PAGE	Samantha J. Bradley, Inventor David P. Van Houten, inventor	estigator Came	antho J. Bradley	03/21/2014
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE I	NSPECTIONAL OBSE	RVATIONS	PAGE 1 OF 5 PAGES

DEPARTMENT OF HEALTH AND HUMAN SERVICES				
DISTRICT ACORESS AND PHONE		G ADMINISTRATION	DATE(S) OF INSPECTION	
	Bldg. 200, Ste. 500		02/04/2014 - 03/21/2014*	
	37217-2597 1 Fax:(615) 366-7802		1000391015	
	rmation: www.fda.gov/oc/indu Townstronssum	stry		
TO: John W.	Hollis, President & Owner			
FIRM NAME	Inc dba John Hollis	STREET ADDRESS		
Pharmacy		110 20th Avenue North		
CHY, STATE, ZIP CODE, COUNT		TYPE ESTABLISHMENT INSPECTED		
Nashville, TN	37203-2316	Producer o	of Sterile Drug Produc	ts
(LAFH), which is u	sed in the processing of drug products int	ended to be steri	le.	
	ed for final product sterility testing has no uring testing to confirm results.	continuous temp	perature monitoring. No positive	and negative
a) Vour Green has no	at established that the media fill procedure	ia rampanantetiva	e of the most challenging teentic	nrocace
performed at your e	stablishment. The media fill procedure cu	rrently in place i	is representative of filling up to	
	ally fills batches with up to (b vials. You	r firm performs i	media fills (b) (4), with the	ne first one
beginning in Noven	nder 2013.			
	_			
OBSERVATION:	2			
Drug product conta	iners and closures were not sterilized and	processed to ren	nove pyrogenic properties to assi	ure that they are
suitable for their int	tended use.			
Specifically drug n	roduct containers and closures do not uno	leton a denvinoe	nation process prior to their use	for injectable
	endotoxin testing has been performed on o			tot injectable
		······································	•	
OBSERVATION	3			
Clothing of persons duties they perform	nel engaged in the manufacturing, process	ing, and packing	of drug products is not appropri	iate for the
n :5 II			. 33	<u> </u>
	anel involved in the production of sterile of terile gowns are saved and re-used up to			
the operator. Sterile	gloves are donned, but gloves are never	sanitized during	wear. On 2/4/2014, I observed a	n employee don
	proceed to touch a spray bottle containing		and the exterior of a container	
before proceeding with aseptic manipulations. The employee was not observed to sanitize his gloves between touching non- sterile surfaces and aseptic processing.				
OBSERVATION	4			
Buildings used in the	he manufacture, processing, packing, or h	olding of a drug	product do not have the suitable	construction
	litate cleaning, maintenance, and proper of		en e	
Specifically plactic	strip curtains are in the doorways between	n the sterile are	duct compounding room ante ro	iom and
	The strip curtains are not routinely cleaner			
	e product compounding room and then be			for up to
	SAPLOYERS SIGNATURE			DATE ISSUED
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FORM FDA 483 (69/08)	PREVIOUS EDITION OBSOLETE INSF	ECTIONAL OBSE	ERVATIONS	PAGE 2 OF 5 PAGES

DEPAI	RTMENT OF HEALTH AND HUMAN S FOOD AND DRUG ADMINISTRATION	SERVICES		
DISTRICT ADDRESS AND PHONE NUMBER		EATE(S) OF INSPECTION		
404 BNA Dr., Bldg. 200, Ste. 500		02/04/2014 - 03/21/2	2014*	
	Nashville, TN 37217-2597			
	615) 366-7861 Fax: (615) 366-7802 Industry Information: www.fda.gov/oc/industry			
l		· A.	***************************************	
TO: John W. Hollis, President	t & Owner street address			
John W Hollis Inc dba John Hol	lis 110 20th Av	venue North		
Pharmacy	and com marries are received north			
CHY, STATE, ZIF CODE, COUNTRY	TYPE ESTABLISHMENT IN	847-050C		
Nashville, TN 3/203-2316	Vashville, TN 37203-2316 Producer of Sterile Drug Products			
(b) (4) and any components, containers, closures, and equipment that come into contact with the curtains are potentially exposed to increased bioburden.				
OBSERVATION 5				
Aseptic processing areas are deficient regard	ling the system for monitoring env	ironmental conditions.		
Specifically,				
a) Non-viable air monitoring is not performe	d by your firm.			
b) Viable air monitoring is not performed each time a drug product intended to be sterile is produced. Your firm currently performs viable air monitoring (0) (4) and and has no established alert or action limits.				
c) Personnel monitoring is not performed earepresentative of the conditions following primediately after gowning and has	roduction. Your firm currently per	forms personnel fingertip testing		
d) Touch-plates used to monitor the LAFH work surface are used immediately following cleaning and sanitizing and sampling is not representative of the conditions following production. Your firm currently monitors the LAFH work surface (b) (d) and uses the same touch-plate for mulitple locations on the work surface. No mapping of sampling sites is documented and your firm has no established alert or action limits.				
OBSERVATION 6				
Aseptic processing areas are deficient regard positive pressure.	ling air supply that is filtered throu	igh high-efficiency particulate a	air filters under	
Specifically, the air supply to the sterile pro- type of filtration and no pressure differential LAFH located in the sterile compounding r has not been qualified as an ISO 5 environment	Is exist between rooms; none of the	ese areas are classified. Addition f non-viable air monitoring, wh	nally, the ich indicates it	
	350			
EMPLOYEE(S) SKGNATURE			DATE ISSUED	
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OF THIS PAGE David P. Van Hou	iten, Investigator DV		03/21/2014	

INSPECTIONAL OBSERVATIONS

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FORM FDA 483 (09/08)

PREVIOUS EDITION OBSOLETE

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DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION		
404 BNA Dr., Bldg. 200, Ste. 500	02/04/2014 - 03/21/2014*		
Nashville, TN 37217-2597	FEI NUMBER		
(615) 366-7801 Fax: (615) 366-7802	1000391015		
Industry Information: www.fda.gov/oc/indu	istry		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED			
TO: John W. Hollis, President & Owner			
FIRM NAME	STREET ADDRESS		
John W Hollis Inc dba John Hollis	110 20th Avenue North		
Pharmacy			
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED		
Nashville, TN 37203-2316	Producer of Sterile Drug Products		

OBSERVATION 7

Each batch of drug product purporting to be sterile and pyrogen-free is not laboratory tested to determine conformance to such requirements.

Specifically, your firm does not perform sterility or endotoxin testing on each batch of drug product intended to be sterile. No endotoxin testing has been performed and only one product intended to be sterile is tested (b)(4) for sterility. Between 12/10/13 and 3/10/14, approximately (b)(4) batches of drug products intended to be sterile were produced. Since June 2013, approximately 27 sterility tests have been performed for finished drug products intended to be sterile.

OBSERVATION 8

Testing and release of drug product for distribution do not include appropriate laboratory determination of satisfactory conformance to the final specifications and identity and strength of each active ingredient prior to release.

Specifically, your firm does not test each batch of drug product for potency prior to its release and distribution. Your firm has contract tested two batches of products for potency testing since January 2012; approximately batches were produced between 12/10/2013 and 3/10/2014.

OBSERVATION 9

There is no written testing program designed to assess the stability characteristics of drug products.

Specifically, no stability program exists to scientifically justify assigned expiration dates for each drug product made by your firm. All pellets for implantation receive a 1 year expiration, most injectable drug products receive a 6 month expiration, and injectable drug products held under refrigeration receive a 90 day expiration.

OBSERVATION 10

Each lot of components, drug product containers, and closures is not withheld from use until the lot has been sampled, tested, examined, and released by the quality control unit.

Specifically, drug components are accepted based on the manufacturer's certificate of analysis (CoA). Supplier's have not been qualified and no testing has been conducted to verify the reliability of the CoA.

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	Samantha J. Bradley. Investigator \$1B	DATE ISSUED

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DISTRICT ADDRESS AND PHONE	MRAYE		DATE(8) OF INSPECTION	
	Dr., Bldg. 200, Ste. 500		02/04/2014 - 03/21/2014*	
Nashville, TN			FE NUMBER	
	15) 366-7801 Fax: (615) 366-7802		1000391015	
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FIRM HAME		STREET ADDRESS		
John W Hollis	Inc dba John Hollis	110 20th Ave	enue North	
Pharmacy				
CITY, STATE, ZIP COOE, COUNTY		TYPE ESTABLISHMENT INSPECTED		
Nashville, TN	37203-2316	Producer of Sterile Drug Products		
Procedures describing the calibration of instruments, apparatus, gauges and recording devices are not written or followed. Specifically, your firm does not routinely calibrate equipment or have a procedure in place for equipment calibration. Equipment includes the (b) (4) used for product and equipment sterilization, thermocouples in all refrigerators used for the storage of raw and finished drug products, the pressure gauge used for testing, and the thermometer in the incubator used for all environmental samples and in-house finished product sterility testing.				
THE STREET WALLS				mana a
* DATES OF INSPE 02/04/2014(Tue), 03/	10/2014(Mon), 03/11/2014(Tue), 03/12/2014((Wed), 03/13/2014(Ti	nu), 03/21/2014(Fri)	HIS CONTRACTOR OF THE PARTY OF
	EMPLOYEE(S) SIGNATURE	n	@ 10.10.	DATE ISSUED
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