	DEPARTMENT OF HEAL FOOD AND DRUG	TH AND HUMAN ADMINISTRATION				
DISTRICT ADDRESS AND PHON	E NUMBER		DATE(S) OF INSPECTION			
	ace, Suite 5900		4/18/2016-5/6/2016*			
Detroit, MI 4	00 Fax: (313)393-8139		3012248018			
	C. 25-100 C. 10-100 S. 10-100 S. 100 C.					
NAME AND TITLE OF INDIVIDUA						
Jason E. Prof	copik , Chief Operating Offic	STREET ADDRESS				
Pharmakon Con	on Compounding Pharmacy, Inc. 14460 Getz Rd Ste 300		THE CONTROL OF STREET STREET			
Noblesville,	IN 46060-3303	Compounde	r of sterile drugs			
observations, and do observation, or have action with the FDA	This document lists observations made by the FDA representative(s) during the inspection of your facility. They are inspectional observations, and do not represent a final Agency determination regarding your compliance. If you have an objection regarding an observation, or have implemented, or plan to implement, corrective action in response to an observation, you may discuss the objection or action with the FDA representative(s) during the inspection or submit this information to FDA at the address above. If you have any questions, please contact FDA at the phone number and address above.					
OBSERVATIO						
	gned to prevent microbiological cor		f drug products purporting	g to be sterile		
do not include a	dequate validation of the sterilization	on process.				
Specifically,		· e				
	s ensuring sterility of drug products strate good aseptic technique using		personnel performing aser (b)(4)	otic processing		
routine asep	d representative container closure stic processing operations. performing aseptic processes have not records covering the following loss.	ystems (e.g. not been valid	eye droppers) used in typi lated for proper technique	lot sizes (e.g. cal and often via a media		
produced by technique te	an individual without a documente	d media fill t	est, as evidenced by the pe	ersonal aseptic		
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Constantin Y Philopoulos, Ir Charles L Zhou, Investigator		Constantin Y Philiopoulos Constants Philiopoulos Javenty John Signed by Crestates M. Philippuda - S	DATE ISSUED 5/6/2016		
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE INS	PECTIONAL OB	SERVATIONS	PAGE OF 10 PAGES		

	DEPARTMENT OF HE FOOD AND I	EALTH AND HUMAN DRUG ADMINISTRATION		
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	ace, Suite 5900	4 F	1/18/2016-5/6/2016*	
Detroit, MI 4 (313) 393-810	00 Fax: (313)393-8139		3012248018	
NAME AND TITLE OF INDIVIDUA	AL TO WHOM REPORT ISSUED			
	copik , Chief Operating Off			
FIRM NAME		STREET ADDRESS	n 3 GL - 200	
Pharmakon Con	mpounding Pharmacy, Inc.	TYPE ESTABLISHMENT	Getz Rd Ste 300	
	IN 46060-3303	Compounder of sterile drugs		
units prodi	the 10 mg/ml in balanced salt solutions are 10 mg/ml in balanced salt solutions are the studies performed by a certification of the (b)(4) in the certification report states, eover, there was no documentation ditions simulating aseptic process.	(b)(4) (b)(4) (ISO 5),	in (b)(4) for suggest that (b)(4) ese studies were perform	b)(4) ned under
	ring the production of epinephrin 5%/tropicamide 1%, lot #12544			2016 and
not sanitized (b)(4) The to ii. Airflow apperent of rack is appending the result.	(b)(4) ars to be obstructed by the rack of proximately 8-10 inches from the ses. Buildup of wrappers/waste in	ning the syringer. of supplies place the HEPA filter, and the	s is not sterile and is not d on the (b)(4	t sanitized prior
processing of iii.	(b)(4)		are replaced with a d for (b)(4) be	efore use.
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Constantin Y Philopoulos, Charles L Zhou, Investiga		X Constantin Y Philopoulos Constantin Y Philopoulos towestyses Signed by Constantin H, Philopoulos -5	5/6/2016

INSPECTIONAL OBSERVATIONS

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FORM FDA 483 (09/08)

PREVIOUS EDITION OBSOLETE

	DEPARTMENT OF HE	EALTH AND HUMAN S DRUG ADMINISTRATION	SERVICES	
DISTRICT ADDRESS AND PHO			TE(S) OF INSPECTION	
300 River Pla	ace, Suite 5900		/18/2016-5/6/2016*	
Detroit, MI			NUMBER 012248018	
(313) 393-810	13) 393-8100 Fax: (313) 393-8139		012240010	
NAME AND TITLE OF INDIVIDU	NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED			
Jason E. Prol	copik , Chief Operating Off	icer		
FIRM NAME	and a second	STREET ADDRESS		
	mpounding Pharmacy, Inc.	CHARLEST CHARLES	Rd Ste 300	
CITY, STATE, ZIP CODE, COUN		TYPE ESTABLISHMENT INSPECTED		
Noblesville, IN 46060-3303 Compounder of sterile drugs				
Specifically, i. The (b) unclassified	ing areas are deficient regarding litions. (4) (ISO 5), used in asepti	ic processing of sper (b)(4)	sterile drug products, are , with (b)(4), used for (b)(4)	e located in an
the course o		unclassified room considering that (b)(4) tal monitoring, or duction of the following	activities are per r cleaning/sanitizing operations lowing lots:	Since (4) microbial (b)(4) rformed during
				on 04/20/2016
• rnenylepr	nrine 2.5%/Tropicamide 1% (PT0	102), 101 #123441	ints produced (JII U4/ZU/ZU10
			(b)(4) under static conditions at is not clear whether	and (b)(4) (b)(4)
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Constantin Y Philopoulos, Charles L Zhou, Investigat		X Constantin Y Philippoulos Constante Y Philopoulos Invitation Signed by Constante RI. Philopoulos -S	DATE ISSUED 5/6/2016

INSPECTIONAL OBSERVATIONS

PAGE 3 OF 10 PAGES

FORM FDA 483 (09/08)

PREVIOUS EDITION OBSOLETE

	DEPARTMENT OF HEA FOOD AND DR	ALTH AND HUM/ RUG ADMINISTRATI		
DISTRICT ADDRESS AND PHO			DATE(S) OF INSPECTION	
Detroit, MI	ace, Suite 5900 48207		4/18/2016-5/6/2016* FEI NUMBER	
[] [역사회장(경기) 경기 (인터 네티크 (경기) []	00 Fax: (313)393-8139		3012248018	
NAME AND TITLE OF INDIVIDU		0. 50-100		
Jason E. Pro	kopik , Chief Operating Offi	icer STREET ADDRESS	-11	
	makon Compounding Pharmacy, Inc. 14460 Getz Rd		tz Rd Ste 300	
Noblesville,	IN 46060-3303	Compound	er of sterile drugs	
(not Finished o (b)(4) glyco (b)(4)), nor is periodic maintenance bedrug product batches of hydroxyprerin (b)(4)) used in glyc (b)(4) when the sterilization	(b)(4) ing performed ogesterone (1 cerin 48%/lide)(4)	for the product to be a is no indication/record the are not record.	(b)(4) 100,000, (b)(4) e sterilized is
v. The (b)(4)	of hydroxyprogesterone (17HPS/1	7HP), has no (b)(4)	(b)(4)	d (not
adequately calibrated, a so as to assu	qualified (temperature mapped). The reported and it is reported. Additionally, there is reported that the required incubation time the corresponding logs. For example (b)(4) incubation (b)(4) incubation (b)(4)	thermometers no record of the period has ple: on 02/16/16	used in (b)(4) incubators he he date when media is visible been met; only the	ave not been
OBSERVATION		•		
Aseptic process	sing areas are deficient regarding the	he system for	monitoring environmenta	d conditions.
Specifically,				
11-3	EMPLOYEE(S) SIGNATURE			DATE ISSUED
SEE REVERSE	Constantin Y Philopoulos,	Investigato	or Decim	5/6/2016
OF THIS PAGE	Charles L Zhou, Investigat		X Constantin Y Philippoulos Constantin Y Philippoulos Investigator Sineel by Constantin M. Philippoulos 9	
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE II	NSPECTIONAL O		PAGE 4 OF 10 PAGES

		LTH AND HUMAN SERVIC	ES	
DISTRICT ADDRESS AND PHO	NE NUMBER	DATE(S) OF IN		
Detroit, MI	ace, Suite 5900	4/18/2 FEINUMBER	016-5/6/2016*	
	00 Fax: (313)393-8139	301224	8018	
MARIESCHI CARRACT CORS.				
NAME AND TITLE OF INDIVIDU				
JASON E. Pro	copik , Chief Operating Offi	T STREET ADDRESS		
Pharmakon Cor	mpounding Pharmacy, Inc.	14460 Getz Rd S	te 300	
CITY, STATE, ZIP CODE, COUN		TYPE ESTABLISHMENT INSPECTED	(T)(T) (33)(3)(3)	
Noblesville,	IN 46060-3303	Compounder of s	terile drugs	
processing a aseptic conda. Non-viable b. Passive ai located. c. Active air monitorin ii (b)(4) performed f iii. Media plates disinfectant OBSERVATIO Aseptic process equipment to process equipment	monitoring is not performed ung is not performed for the room in fingertip sampling and viable surformed for surface and fingertip sampled in the surface and fingertip sampled for surface and fingertip sampled	(ISO 5) is performance as the system for cleaning equipments of cleaning equipments as the system for cleaning equipments of cleaning equipments of cleaning equipments as the system for cleaning equipments of cleaning equipments equipments of cleaning equipments of cleaning equipments equipments of cleaning equipments	twironment and associated (b)(4) (b)(4) (b)(4) (b)(4) (c) (d) (d) (d) (e) (d) (e) (d) (e) (d) (f) (f) (f) (f) (f) (f) (f) (f) (f) (f	(b)(4) (b)(4) (b)(4) ddition, (b)(4) he (b)(4) are (4) ons. Active air (b)(4) apling is also ontain d. the room and ang agents have from surfaces
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Constantin Y Philopoulos, I Charles L Zhou, Investigate		X Constantin Y Philopoulos Constantin Y Philopoulos Constantin Y Philopoulos Investigatur Supred for Constantin N. Philopoulos - S	5/6/2016
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	DEPARTMENT OF HEA FOOD AND DR	ALTH AND HUMA RUG ADMINISTRATI	1위원의 67의 BUILD (18의 1997) 전기 (18일 - 1997) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
DISTRICT ADDRESS AND PHO	ne number ace, Suite 5900		DATE(S) OF INSPECTION 4/18/2016-5/6/2016*	
Detroit, MI			FEI NUMBER 3012248018	
(313) 393-81	00 Fax: (313)393-8139) Fax: (313)393-8139		
CONTROL CONTRO	AL TO WHOM REPORT ISSUED			
Jason E. Pro	kopik , Chief Operating Offi	icer street address		
1	harmakon Compounding Pharmacy, Inc. 14460 Getz Rd Ste 300			
CITY, STATE, ZIP CODE, COUN		TYPE ESTABLISHME		
Noblesville, IN 46060-3303 Compounder of sterile drugs				
and its application (b)(4)	icacy studies have not been perfortion method, including contact time can sufficiently reduce biobut is used (b)(4) to sterilize to . Also sterilized erile, packaged syringes, vials, cap	e and worst-carden. the (b)(4) , in add	(b)(4) via (4) (b)(4) are the (b)(4) lition to supplies to be used	to sterilize the (b)(4)
The second secon	ON 6 sonnel engaged in the manufacturi the duties they perform.	ng, processin	ng and packing of drug prod	ducts is not
Specifically,				· ·
	luction of epinephrine 1 mg/mL, lode 1%, lot #125441/B59 on 04/20			ylephrine
ii. Exposed skir iii. Street clothe	(b)(4) by sterile garb. In (hands, forehead) in (b)(4)].)(4) and	are not completely covered t clothes partially uncovered	othes and shoes d by sterile
	ON 7 ease of drug product for distribution conformance to the identity and str			
SEE REVERSE	EMPLOYEE(S) SIGNATURE Constantin Y Philopoulos,	Investigate	D investori	DATE ISSUED 5/6/2016
OF THIS PAGE	Charles L Zhou, Investigat		X Constantin Y Philippoulos Constant Y Philippoulos Investigator Signed by Constantin Pr. Philippoulos -5	3/0/2010
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE I	NSPECTIONAL C	BSERVATIONS	PAGE 6 OF 10 PAGES

	DEPARTMENT OF HEA	LTH AND HUMAN	SERVICES	
DISTRICT ADDRESS AND PHO	NE NUMBER	DA	TE(S) OF INSPECTION	
	ace, Suite 5900		/18/2016-5/6/2016*	
	etroit, MI 48207 313) 393-8100 Fax:(313)393-8139		012248018	
(313) 393-81				
	AL TO WHOM REPORT ISSUED			
confitting appropriate that a second open	kopik , Chief Operating Offi			
FIRM NAME	manuading Dhawman. Inc	STREET ADDRESS	Pd Gt- 200	
CITY, STATE, ZIP CODE, COUN	mpounding Pharmacy, Inc.	TYPE ESTABLISHMENT IN	etz Rd Ste 300	
	IN 46060-3303	Compounder of sterile drugs		
potency, as Epinephri Phenylepl Lidocaine 03/03/201 ii. Finished lots Examples ii Cyclopent preservati Phenylepl Lidocaine OBSERVATIO Each batch of d determine conformation Specifically, i. No method su FTM), as per (b)(4) produced: Epinephri Phenylepl (b)(4)	reported. For example: ne 1 mg/mL (EPI01), lot #C16723 hrine 2.5%/Tropicamide 1% (PT00 2.4%/Epinephrine 0.18%/Tetracaine 6. This product is 1 of sterile drug products containing nclude: tolate 1%/Phenylephrine 2.5% (CP ve, refrigerated hrine 2.5%/Tropicamide 1%/Ketora (b)(4) 2.4%/Epinephrine 0.18%/Tetracaine DN 8 lrug product purporting to be sterile formance to such requirements. Initability studies using the required for USP <71> Sterility Tests, have b for used by your firm when determining (b)(4) ne 1 mg/mL (EPI01), lot #C16723 hrine 2.5%/Tropicamide 1% (PT00)	161, produced of (2), lot #125441 to 0.5% (LET01) (b)(4) g preservative at 2001), contains and aco 0.5% (PT) at preservative, received and pyrogen-formed organisms and been performed ag sterility results. For 161, produced of (2), lot #125441	/B59, produced on 04/20/2016), lot #5C95A12, produced on	
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DEPARTMENT OF HEA FOOD AND DR	LTH AND HUM UG ADMINISTRAT		
DISTRICT ADDRESS AND PHONE NUMBER		DATE(S) OF INSPECTION	
300 River Place, Suite 5900		4/18/2016-5/6/2016*	
Detroit, MI 48207		FEI NUMBER	
(313) 393-8100 Fax: (313)393-8139		3012248018	
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED		A	
Jason E. Prokopik , Chief Operating Offi	cer		
FIRM NAME	STREET ADDRESS		
Pharmakon Compounding Pharmacy, Inc.	14460 Ge	etz Rd Ste 300	
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHM	ENT INSPECTED	
Noblesville, IN 46060-3303	Compound	der of sterile drugs	

- ii. Aseptically processed sterile injectable drug products produced from non-sterile ingredients are released and distributed without having been tested for endotoxins, as reported. For example:
 - Epinephrine 1 mg/mL (EPI01), lot #C16723159, (b)(4) units produced on 04/04/2016
 - Epinephrine 1 mg/mL (EPI01), lot #C16723161, (b)(4) units produced on 04/19/2016
 - Phenylephrine 2.5%/Tropicamide 1% (PT002), lot #125441/B59 units produced on 04/20/2016

OBSERVATION 9

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

Specifically,

- i. Potency and sterility testing has not been performed in support of assigned Beyond Use Dates (BUDs) for several sterile drug products that are aseptically prepared. Unless stability studies have been performed, BUDs are, by default, 7 or 14 days for refrigerated sterile drug products with no preservatives and 14 days for sterile drug products containing preservatives stored at ambient temperature, as reported. Examples include:
 - Lidocaine 1%/Bupivacain 0.75%/Hylenex 150U/mL (b)(4) no preservative, refrigerated, BUD 7 days; pertains to all (b)(4) products.
 - Mitomycin 1mg/mL (MIT01), no preservative, refrigerated, BUD 14 days
 - Fluorouracil 1mL (5FU01), no preservative, ambient storage, BUD 14 days
- ii. Testing results provided by the contract laboratory in support of BUDs for the following sterile drug products were purported to have used analytical methods that are not considered validated or have not met all the requirements for sampling and/or method suitability:
 - Hydroxyprogesterone Caproate (sesame oil) 250 mg/mL (17HPS), no preservative, ambient storage, BUD 45 days (tested for potency and particulate matter)
 - Epinephrine HCL 1 mg/mL (EPI01), no preservative, refrigerated, BUD 14 days (tested for potency at (b)(4))
 - Vancomycin 10 mg/mL (Vanc1), no preservative, refrigerated, BUD 30 days (tested for potency)

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	DEPARTMENT OF HE. FOOD AND DE	ALTH AND HUMA RUG ADMINISTRATI		
DISTRICT ADDRESS AND PHO	NE NUMBER		DATE(S) OF INSPECTION	
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NAME AND TITLE OF INDIVIDU	AL TO WHOM REPORT ISSUED			
	kopik , Chief Operating Off			
Pharmakon Col	Pharmakon Compounding Pharmacy, Inc. 14460 Getz Rd Ste 300			
	IN 46060-3303		er of sterile drugs	
 Phenylephrine HCL 10%/tropicamide 1%/ketorolac 0.5% (PTK001), (b)(4) as a preservative, refrigerated, BUD 30 days (tested for potency, sterility, endotoxins, and particulate matter) Phenylephrine 2.5%/tropicamide 1%/ketorolac 0.5% (PTK002), (b)(4) as a preservative, refrigerated, BUD 30 days (tested for potency and sterility at (b)(4)) Cyclopentolate 1%/phenylephrine 2.5% (CP001), (b)(4) as a preservative, refrigerated, BUD 30 days (tested for potency at (b)(4) and sterility at (b)(4)) CoAs for the following products carried a notation that methods for potency testing are not considered validated: 17HPS, EPI01, Vanc1, CP001, and PTK002 				
	llowing products carried a notatio d/or method suitability specified i			
OBSERVATIO Routine calibrate proper performation	tion of equipment is not performed	d according to	a written program designed	to assure
example, the epinephrine 1 m	uipment used for confirmation/ass (b)(4) ng/ml lot #C16723161 produced o 9 produced on 04/20/2016.		used in the pro-	duction of
	ON 11 relating to the processing of penic rug products for human use.	illin are not p	erformed in facilities separate	e from those
Specifically,				
	as provided that sterile (b)(4) tact surfaces should a spill occur i		e effective in mitigating beta b)(4) (ISO 5) during as	
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	DEPARTMENT OF HEAD	TH AND HUM	N SERVICES		
	FOOD AND DRU	UG ADMINISTRATI	ON		
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Jason E. Pro	kopik , Chief Operating Offic	cer STREET ADDRESS			
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CITY, STATE, ZIP CODE, COUN	VTRY	TYPE ESTABLISHME			
Noblesville,	IN 46060-3303	Compound	er of sterile drugs		
*DATES OF I		before a nor	a-beta-lactam product is product	duced in the	
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