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Prequalification Unit Inspection services WHO INSPECTION REPORT

Desk Assessment of Finished Product Manufacturer

Part 1	General information		
Company information			
Name of	Hetero Labs Ltd, Unit 5		
Manufacturer			
Corporate address	Hetero Labs Ltd.		
of manufacturer	Hetero Corporate, 7-2-A2, Industrial Estates, Sanath Nagar, Hyderabad – 500 018,		
	Telangana, India		
Inspected site			
Name & address	Hetero Labs Ltd, Unit 5		
of manufacturing	Survey No 439, 440, 441 & 458 TSIIC Formulation SEZ, Polepally Village,		
site	Jadcherla (M), Mahaboob Nagar District, Telangana, 509 301, India		
	DUNS number: 65-045-2530		
Production	Blocks: V, VA and VB		
Block/Unit			
Manufacturing	No 50/MN/AP/2009/F/R, Form 25, valid up to 18/12/2024		
license number			
Desk assessment deta			
Start and end dates	17 - 27 August 2020 and 01 – 05 September 2020		
of review			
Products covered	1. Lamivudine/Nevirapine/Zidovudine Tablet, Film-coated 150mg/200mg/300mg		
by this desk	2. Efavirenz/Emtricitabine/Tenofovir disoproxil fumarate Tablet, Film-coated		
assessment	600mg/200mg/300mg		
	3. Valganciclovir (hydrochloride) Tablet, Film-coated 450mg		
	4. Abacavir (sulfate)/Lamivudine Tablet, Film-coated 600mg/300mg		
	5. Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated		
400mg/300mg/300mg			
	6. Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg		
	7. Lamivudine/Tenofovir disoproxil fumarate Tablet 300mg/300mg		
8. Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated			
600mg/300mg/300mg			
9. Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil fumarate Tablet, Fi			
	coated 50mg/300mg/300mg		
10. Dolutegravir (Sodium) Tablet, Film-coated 50mg			
11. Sofosbuvir Tablet, Film-coated 400mg			
	12. Entecavir Tablet, Film-coated 0.5mg		
	13. Entecavir Tablet, Film-coated 1mg		
14. Daclatasvir (dihydrochloride) Tablet, Film-coated 30mg			
15. Declatasvir (dihydrochloride) Tablet, Film-coated 60mg			
	16. Artemether/Lumefantrine 20mg/120mg		
	17. Linezolid Tablet, Film-coated 600mg		
	18. Moxifloxacin (hydrochloride) 400 mg		

Hetero Labs Ltd, Unit 5, Telangana, India

1-27 August and 1-5 September 2020

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	19. Abacavir (sulfate)/Lamivudine Tablet 60mg/30mg		
List of documents	1) Infarmed inspection (21 – 24 January 2020) preliminary report		
submitted	2) Hetero initial response, dated 21st February 2020		
	3) Hetero response to the preliminary report, dated 5 th May 2020		
	4) Infarmed inspection (21 – 24 January 2020) final report		
	5) Documents submitted after final report		
	6) EurdaGMP certificate No FISMF006/001/2020, dated 12 th May 2020		
	7) Infarmed inspection (21 – 25 January 2019) report		
	8) Hetero initial response to inspector Mr. Antonio Azevedo		
	9) Hetero initial response to inspector Dr Judit Geher		
	10) Hetero initial response to inspector Mr. Pedro Marques		
	11) Hetero initial response to inspector to Infarmed inspection report		
	12) EurdaGMP certificate No FI006/001/2019, dated 1st April 2019		
	13) USFDA establishment inspection report, dates of inspection 18 – 19 April 2019,		
	22 – 26 April 2019		
	14) USFDA establishment inspection report letter, dated 16 January 2020		
	15) USFDA Form 483		
	16) CAPAs to USFDA establishment inspection report		
	17) Minutes of meeting on the Teleconference between FDA and Hetero, date of		
	meeting 18th September 2019		
	18) Health Canada (HC), dates of inspection		
	19) HC inspection exit notice (deficiencies) and cover letter		
	20) CAPAs to HC inspection report		
	21) HC clarification letter		
	22) Hetero response to HC clarification letter		
	23) HC inspection closure letter		
	24) List of SRA inspection in last 5 years		
	25) Declaration – self inspection		
	26) Declaration – out of stock situation		
	27) Declaration – no schedules upcoming inspections		
	28) GMP certificate L.Dis.No.33261/TS/2020. Dated 6-3-2020		
	29) SOP CQA010-02 "Product Quality Review"		
	30) SOP CQA029-01 "Data trending"		
	31) License retention certificate, license No 50/MN/AP/2009/F/R, Form 25, valid up		
	to 18/12/2024		
	32) FDA warning letter, dated 15 August 2017, related to the inspection 7 – 16		
	December 2016		
	33) SMF-FV-01-24		
	34) List of products manufactured at Blocks V, VA and VC		
35) BMR/BPR/master batch records/analytical raw data and PQRs:			
	a) Sofosbuvir Tablet 400mg		
	b) Dolutegravir Tablet 30mg		
	c) Linezolid Tablet 600mg		
	d) Efavirenz / Emtricitabine / Tenofovir Disoproxil Fumarate Tablet		
	600mg/200mg/300mg: BMR blend		
	e) Efavirenz / Lamivudine / Tenofovir Disoproxil Fumarate Tablet		
	600mg/300mg/300mg		
	f) Dolutegravir, Lamivudine, Tenofovir Tablet 50mg/300mg/300mg		



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g) Lamivudine, Tenofovir Tablet 300mg/300mg				
	h) Daclatasvir Tablet 60mg			
	i) Moxifloxacin Tablet 400mg i) Lamiyudina Tablet 150mg/200mg			
	j) Lamivudine, Zidovudine Tablet 150mg/300mg			
	k) Valganciclovir Tablet 450mg			
	1) Abacavir sulfate, Lamivudine tablet 60 mg/300mg			
	m) Entecavir Tablet 100 mg			
	n) Entecavir Tablet 100 mg o) Abacavir, Lamivudine tablet 60mg, 30mg			
	p) Abacavir, Lamivudine tablet 60mg, 30mg p) Artemether, Lumefantrine 20mg, 120mg q) Dolutegravir Tablet 50mg r) Efavirenz, Lamivudine, Tenofovir Tablet 400mg, 300mg, 300mg s) Lamivudine, Zidovudine, Nevirapine Tablets 150mg, 300mg, 200mg			
	, ,			
Any documents missing?	N/A			
Part 2	Summary of SRA/NRA inspection comments	on evidence considered (from most recent to last) and		
INFARMED	Dates of inspection:	21 – 24 January 2020		
(National Authority of	Type of inspection:	Follow-up and GMP certificate renewal inspection		
Medicines and Health Products,	Block/Unit:	Block V and Block V-A of Unit V Block V-B		
Portugal),	Type of products/Dosage	Entecavir Accord, 0.5 mg and 1 mg, film-coated		
Portugal,	forms covered:	tablets		
1 ortugui		WHO products under PQ were not specifically		
		covered		
USFDA, USA	Dates of inspection:	18 – 19 April 2019, 22 – 26 April 2019		
	Type of inspection:	GMP surveillance inspection		
	Block/Unit:	Block V, V-A and V-B		
	Type of products/Dosage	Pantoprazole Sodium Delayed Release Tablets		
	forms covered:	USP 20mg		
		Pantoprazole Sodium Delayed Release Tablets		
		USP 40 mg		
		Rosuvastatin Calcium Tablets 5 mg		
		Rosuvastatin Calcium Tablets 1 0 mg		
		Rosuvastatin Calcium Tablets 20 mg		
		Rosuvastatin Calcium Tablets 40 mg		
		Levofloxacin Tablets USP 250 mg		
		Levofloxacin Tablets USP 500 mg		
		Levofloxacin Tablets USP 750 mg		
		Aripiprazole Tablets 5 mg		
		Aripiprazole Tablets 10 mg		
		Valsartan Tablets 40 mg Valsartan Tablets 80 mg		
		Valsartan Tablets 80 mgValsartan Tablets 160 mg		
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		Valsartan Tablets 320 mg	
		Valacyclovir Tablets 100 mg	
		Valacyclovir Tablets 500 mg	
		Telmisartan Tablets USP 20 mg	
		Telmisartan Tablets USP 40 mg	
		Telmisartan Tablets USP 60 mg	
		WHO FPPs were not specifically covered	
INFARMED	Dates of inspection:	21 – 25 January 2019	
(National	-	•	
`	Type of inspection:	GMP inspection	
Authority of Medicines and	Block/Unit:	Block V and Block V-A of Unit V	
		Block V-B	
Health Products,	Type of products/Dosage	Entecavir 0.5 mg and 1 mg, film-coated tablets	
Portugal),	forms covered:		
Portugal			
Health Canada,	Dates of inspection:	3 rd to 6 th December 2018	
Canada	Type of inspection:	Re-inspection	
	Block/Unit/Workshop:	Blocks V, VA and VB	
	FPPs covered:	1. Sildenafil Citrate Tablets 25 mg, 50 mg & 100 mg	
		2. Clopidogrel tablets 75 mg & 300 mg	
		3. Pioglitazone Tablets 15 mg, 30 mg & 45 mg	
		4. Montelukast sodium 10 mg tablets	
		5. Montelukast sodium Chewable Tablets 4 mg & 5	
		- I	
		mg	
		6. Olanzapine tablets 2.5 mg, 5 mg, 7.5 mg, 10 mg, 15 mg & 20 mg	
		7. Donepezil Tablets 5 mg & 10 mg	
		8. Escitalopram tablets 10 mg, 15 mg & 20 mg	
		9. Tolterodine IR tablets 1 mg & 2 mg	
		10. Irbesartan Tablets 75 mg, 150 mg & 300 mg	
		11. Quetiapine Fumarate IR tablets 25 mg, 100 mg,	
		150 mg, 200 mg & 300 mg	
		12. Aripiprazole Tablets 2 mg, 5 mg, 10 mg, 15 mg,	
		20 mg & 30 mg	
		WHO products under PQ were not specifically	
D	Commence of the design of the commence of the	covered	
Part 3	Summary of the last WHO inspe		
Date of inspection	•	onducted from 30 October to 3 November 2017 with	
and conclusion of	the resolution stating, based on the areas inspected, the people met and the documents		
most recent WHO	reviewed, and considering the findings of the inspection, including the deficiencies		
inspection	1	a decision on the compliance of Hetero Laboratories	
	Limited (Unit-V) located at, Sy. No. Part of 439, 440, 441 & 458, APIIC, Pharma		
	SEZ, Polepally (village), Jadcherla (Mandal), Mahaboob Nagar (Dist.), 509 301,		
	India with WHO GMP guidelines will be made after the manufacturer's response to		
	the deficiencies has been assessed.		
	and deficiencies has oven assessed.		
	CAPAs were submitted and asse	essed by the PQT: Inspection Team and the inspection,	
		PA, was closed on 24 November 2019 as compliant.	
	10110WING the review of the CAI	A, was closed on 24 November 2019 as compitant.	



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	,		
Summary	Hetero Labs Unit V has three blocks manufacturing blocks (Block-V, Block-VA,		
of	and Block-VB) on the site with different multi-product formulation and packaging		
manufacturing	modules. Block V and Block VA were in the inspection scope. Cytotoxic products		
activities as of	were manufactured in Block VB which was out of the scope of this inspection.		
November 2017			
General	Hetero Labs Unit V has three blocks manufacturing blocks (Block-V, Block-VA,		
information	and Block-VB) on the site with different multi-product formulation and packaging		
about the	modules. Block V and Block VA were in the inspection scope. Cytotoxic products		
company	were manufactured in Block VB which was out of the scope of this inspection.		
and			
manufacturing			
site as of November			
2017			
Focus of the last	Efavirenz Tablets 600mg		
WHO inspection	Efavirenz/Emtricitabine/Tenofovir Tablets 600/200/300 mg		
-	Lamivudine/Nevirapine/Zidovudine Tablets 150/200/300 mg		
	Lamivudine/Tenofovir Tablets 300mg/300mg		
	Lamivudine/Zidovudine Tablets 150mg/300mg		
	Linezolid Tables 600mg		
	Moxifloxacin Tablets 400mg		
	Abacavir (as Sulfate) + Lamivudine 600mg/300mg		
	Sofosbuvir Tablets 400mg		
	• Entecavir Tablets 0.5mg		
	Entecavir Tablets 1.0mg		
	Acyclovir Tablets 400mg		
	Valganciclovir (hydrochloride) Tablet, Film-coated 450mg		
	Efavirenz / Lamivudine / Tenofovir Disoproxil Fumarate Tablets		
	600mg/300mg/300mg		
Areas inspected	Document reviewed including but not limited		
_	Organization Chart		
	Job descriptions for key personnel		
	Product Quality Review		
	Quality Risk Management		
	Management Review		
	Responsibilities of the quality units and production		
	Complaints and Recalls		
	Deviation control and change control		
	OOS and investigation CARA are a large		
	• CAPA procedure		
	Validation and qualification		
	Data integrity		
	Sampling and testing of materials		
	Batch processing records		
	Materials management system		
	Site visited:		
	Oral Solid Dosage (OSD) Production operations		



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	 Stability study QC laboratory and control system Starting material and finished Goods warehouse
Out of scope and restrictions (last WHO inspection)	Products not submitted to WHO for Prequalification
Abbreviations	Meaning
API	Active pharmaceutical ingredient
BMR	Batch manufacturing record
BPR	Batch production record
CAPA	Corrective and preventive action
FPP	Finished pharmaceutical product
GMP	Good manufacturing practices
PQR	Product quality review
SMF	Site master file
SOP	Standard operating procedure

Part 4	Summary of the assessment of supporting documentation
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a) List of all regulatory inspections performed in the last 5 years and their outcomes:

Sr.	Regulatory agency	Dates of Inspection	Outcome
No			
01	INFARMED –Portugal	21st to 24th January 2020	Complies
02	FMHACA – Ethiopia (Food Medicine and Healthcare Administration and control Authority of Ethiopia)	30 th September to 2 nd October 2019	Complies
03	SFDA - Saudi (Saudi Food and Drug Administration)	15 th to 17 th July 2019	Complies
04	USFDA (United States Food and Drug Administration)	18 th to 26 th April 2019	Official Action Indicated (OAI) letter received
05	NDA – Uganda (National Drug Authority)	18 th to 19 th March 2019	Complies
06	INFARMED –Portugal	21st to 25th January 2019	Complies
07	Health Canada, Canada	3 rd to 6 th December 2018	Complies
08	TFDA – Tanzania (Tanzania Food and Drugs Authority)	8 th to 9 th October 2018	Complies
09	MOH – Belarus (Ministry of Health)	30 th to 31 st July 2018	Complies
10	MOH-Russia (Ministry of Health)	12 th to 14 th July 2018	Complies
11	ZaZiBoNa (Zambia, Zimbabwe, Botswana, Namibia)	20 th to 24 th April 2018	Complies
12	MOH – Oman (Ministry of Health)	16 th to 17 th April 2018	Complies



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Sr.	Regulatory agency	Dates of Inspection	Outcome
No	namet at the	4th . 0th 7	G 11
13	INVIMA – Colombia	4 th to 8 th December 2017	Complies
	(Colombia Health Authority)		
14	MOH – Yemen	2 nd December 2017	Complies
	(Ministry of Health)		
15	ANVISA – Brazil	6 th to 10 th November 2017	Complies
	(National Health Surveillance Agency)		
17	NAFDAC (National agency for food and drug	26th to 27th April 2017	Complies
	administration and control)		
18	MCC – South Africa	18th to 21st March 2017	Complies
10	(Medicines Control Council)	10 00 21 11101211 2017	o omprios
19	USFDA, USA	7 th to 16 th December 2016	Warning Letter
17	(United States Food and Drug Administration)	, to to Becomed 2010	(WL) received
	(Onition States I odd und Blug I tammistation)		(112) 10001100
20	MOH-Russia	31st May to	Complies
	(Ministry of Health)	2 nd June 2016	
	,		
21	LAGeSo – Berlin, Germany	29th February 2016 to	Complies
	(Berlin Health Authority)	1st March 2016	
22	INFARMED –Portugal	1st to 4th February 2016	Complies
	(The National Institute of Pharmacy and		1
	Medicines) (European Union)		
23	NMPB – Sudan	30 th November to	Complies
23	(National Medicines and Poisons Board)	3rd December 2015	Compiles
24	PPB – Kenya	31st August to	Complies
	(Pharmacy and Poisons Board)	1st September 2015	
25	COFEPRIS – Mexico	3 rd to 14 th August 2015	Complies

b) Manufacturing authorization granted by national authorities:

License No 50/MN/AP/2009/F/R, Form 25, valid up to 18/12/2024 GMP certificate L.Dis.No.33261/TS/2020. Dated 6-3-2020

c) Site master file:

SMF submitted and reviewed. SMF written according to the WHO TRS No. 961, Annex 14

d) List of all the products and dosage forms manufactured on-site:

Totally 151 APIs are manufactured at Unit V, therapeutic groups: List provided in mail

- 1) Anti-Viral
- 2) Anti-Allergic
- 3) Anti-depressants
- 4) Anti diabetic
- 5) Anti- Malarial
- 6) Anti Diarrhoea
- 7) Anti- Alzheimer's

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- 8) Anti-Arrhythmic
- 9) Anti-Asthmatic
- 10) Anti-Bacterial
- 11) Anti-Coagulant
- 12) Anti-Dementia
- 13) Anti-Epileptic
- 14) Anti-Fungal
- 15) Anti-Hyperlipidemic
- 16) Anti-Hypertensive
- 17) Anti-Muscuranic
- 18) Anti-inflammatory
- 19) Anti-Platelet
- 20) Anti-Psychotic
- 21) Anti-TB
- 22) Benign Prostate Hyperplasia
- 23) Calcimimetic
- 24) Chronic Hepatitis C
- 25) Dsypareunia
- 26) Erectile Dysfunction
- 27) Fibromyalgia
- 28) Gluco Cartico Steroid Gout flares & Familial Mediterranean Fever
- 29) Huntington's chorea
- 30) Immunomodulatory
- 31) Inhibit Gastric acid Secretion
- 32) Irritable Bowel Syndrome with Diarrhea
- 33) Non-benzodiazepine hypnotic
- 34) Non-nucleoside reverse transcriptase Inhibitor
- 35) Phosphodiesterase type 5 inhibitor & Selective Serotonin Reuptake inhibitor
- 36) Proton Pump Inhibitor
- 37) Platelet Inhibitor
- 38) Selective vasopressin V2-receptor antagonist
- 39) Stimulant Laxative
- 40) Thrombopoietin receptor agonist
- 41) Treatment for male pattern hair loss Androgenetic Alopecia
- 42) Treatment of Epilepsy & peripheral neuropathic pain
- 43) Xanthine oxidase inhibitor
- 44) Pulmonary Fibrosis
- 45) Trematodicide

e) Most recent product quality reviews (PQRs) of the concerned WHO products:

Submitted:

- 1) Abacavir sulfate & Lamivudine 60mg/30mg
- 2) Artemether & Lumefantrine tablets 20mg/120mg

Submitted and checked:

- 1) Daclatasvir tablets 30mg
- 2) Daclatasvir tablets 60mg
- 3) Dolutegravir tablets 50mg
- 4) Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil fumarate tablets 50mg/300mg/300mg

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- 5) Entecavir 1 mg tablets
- 6) Linezolid 600 mg tablets
- 7) Tenofovir Disoproxil Fumarate and Lamivudine tablets 300 mg/300 mg
- 8) Lamivudine, Nevirapine, Zidovudine tablet 150mg/200mg/300mg
- 9) Efavirenz, Lamivudine, Tenofovir tablet 600mg/300mg/300mg
- 10) Efavirenz, Lamivudine and Tenofovir disoproxil fumarate tablets 400mg/300mg/300mg

Submitted and reviewed:

- 1) Entecavir 0.5 mg tablets
- 2) Moxifloxacin Hydrochloride
- 3) Sofosbuvir tablets 400mg
- 4) Lamivudine and Zidovudine tablets 150 mg/300 mg
- 5) Valganciclovir Tablet 450 mg
- 6) Efavirenz / Emtricitabine / Tenofovir Tablet 600mg / 200mg / 300mg
- 7) Abacavir / Lamivudine Tablet 600mg / 300mg

f) Batch manufacturing and packaging records, including the analytical part, for the most recently released batch of relevant products:

Submitted and checked:

- 1) Sofosbuvir Tablet 400mg
- 2) Dolutegravir Tablet 30mg
- 3) Linezolid Tablet 600mg
- 4) Efavirenz / Emtricitabine / Tenofovir Disoproxil Fumarate Tablet 600mg/200mg/300mg
- 5) Efavirenz / Lamivudine / Tenofovir Disoproxil Fumarate Tablet 600mg/300mg/300mg
- 6) Dolutegravir, Lamivudine, Tenofovir Tablet 50mg/300mg/300mg
- 7) Lamivudine, Tenofovir Tablet 300mg/300mg
- 8) Daclatasvir Tablet 60mg
- 9) Moxifloxacin Tablet 400mg
- 10) Lamivudine, Zidovudine Tablet 150mg/300mg
- 11) Valganciclovir Tablet 450mg
- 12) Entecavir Tablet 500 mg

Submitted and reviewed:

- 1) Abacavir sulfate, Lamivudine tablet 600 mg/300 mg
- 2) Entecavir Tablet 1 g
- 3) Artemether, Lumefantrine 20mg, 120mg
- 4) Efavirenz, Lamivudine, Tenofovir Tablet 400mg, 300mg, 300mg
- 5) Lamivudine, Zidovudine, Nevirapine Tablets 150mg, 300mg, 200mg
- 6) Daclatasvir (dihydrochloride) Tablet, Film-coated 30mg
- 7) Abacavir (sulfate)/Lamivudine Tablet 60mg/30mg

g) Master batch manufacturing and packaging records of the products of interest:

Submitted and checked:

- 1. Valganciclovir Tablet
- 1) Lamivudine, Zidovudine Tablet
- 2) Lamivudine, Tenofovir Tablet
- 3) Efavirenz, Lamivudine, Tenofovir Tablet
- 4) Dolutegravir, Lamivudine, Tenofovir Tablet

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- 5) Daclatasvir Tablet 30mg
- 6) Daclatasvir Tablet 60mg
- 7) Linezolid Tablets 600mg
- 8) Moxifloxacin Tablet 400mg
- 9) Dolutegravir Tablet 50mg
- 10) Efavirenz, Emtricitabine, Tenofovir Tablet
- 11) Abacavir, Lamivudine Tablet
- 12) Sofosbuvir Tablet 400mg
- 13) Entecavir Tablet 0.5 mg
- 14) Entecavir Tablet 1mg
- 15) Abacavir, Lamivudine tablet 60mg, 30mg
- 16) Artemether, Lumefantrine 20mg, 120mg
- 17) Dolutegravir Tablet 50mg
- 18) Efavirenz, Lamivudine, Tenofovir Tablet 400mg, 300mg, 300mg
- 19) Lamivudine, Zidovudine, Nevirapine Tablets 150mg, 300mg, 200mg
- h) If any of the products are sterile, the completed batch records for the most recent media fill validation that is relevant to the products of interest and report on its outcome: $\rm N\!/\!A$
- i) Recalls in the past three years related to products with quality defects:

32 batches of different products have been recalled in last 3 years

j) Confirmation by the senior quality assurance representative that a full self-inspection or external audit dedicated to the product) has been performed and all matters dealt with:

Declaration submitted - a full self-inspection or external audit dedicated to the product) has been performed and all matters dealt with

k) Copy of any warning letter, or equivalent regulatory action, issued by any authority to which the site provides or has applied to provide the product:

FDA warning letter, dated 15 August 2017, related to the inspection 7 – 16 December 2016

k) Out-of-stock situations:

Declaration submitted – no out of stock situations

1) Additional documents submitted:

SOP "Product Quality Review" SOP CQA029-01 "Data trending"

Part 5

Conclusion – Desk assessment outcome

Based on the previous WHO inspections and on the GMP evidence received and reviewed, it is considered that a desk assessment is acceptable in lieu of a WHO onsite inspection. The site *Hetero Labs Ltd*, *Unit 5* (manufacturing blocks V, VA and VC) located at Survey No 439, 440, 441 & 458 TSHC Formulation SEZ, Polepally Village, Jadcherla (M), Mahaboob Nagar District, Telangana, 509 301, India is considered to be operating at an acceptable level of compliance with WHO GMP guidelines.

This WHOPIR will remain valid for 3 years, provided that the outcome of any inspection conducted during this period is positive.

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Part 6

List of guidelines referenced in this inspection report

- 1. WHO good manufacturing practices for pharmaceutical products: main principles. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Forty-eighth Report Geneva, World Health Organization, 2014 (WHO Technical Report Series, No. 986), Annex 2. Short name: WHO TRS No. 986, Annex 2
 - http://www.who.int/medicines/areas/quality_safety/quality_assurance/expert_committee/trs_986/en/
- 2. WHO good manufacturing practices for active pharmaceutical ingredients. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Forty-fourth Report. Geneva, World Health Organization, 2010 (WHO Technical Report Series, No. 957), Annex 2. Short name: WHO TRS No. 957, Annex 2

http://www.who.int/medicines/publications/44threport/en/

3. WHO good manufacturing practices: water for pharmaceutical use. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Fourth-sixth Report. Geneva, World Health Organization, 2012 (WHO Technical Report Series, No. 970), Annex 2.

Short name: WHO TRS No. 970, Annex 2

http://www.who.int/medicines/areas/quality_safety/quality_assurance/expert_committee/trs_970/en/

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