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# Prequalification Unit Inspection services WHO PUBLIC INSPECTION REPORT

#### Desk Assessment of Finished Product Manufacturer

Part 1	General information		
<b>Company</b> informa			
Name of	Mylan Laboratories Limited, Pithampur		
Manufacturer			
Corporate	Plot No.564/A/22, Road No.92, Jubilee Hills, Hyderabad-500096, Telangana, India		
address of			
manufacturer			
Inspected Site			
Name & address	Mylan (Pithampur)		
of manufacturing	Mylan Laboratories Limited, FDF-3, Indore, Plot No. 11,12 & 13	8, Special Economic	
site	Zone, Pharma Zone, Phase-II, Sector-III, Pithampur-454775, D	ist Dhar, Madhya	
	Pradesh, India.		
	D-U-N-S: 859649433		
	GPS coordinates:		
	Latitude 22. 63. 3914N		
	Longitude 75. 61.9405E		
Production	Block A		
Block/Unit			
Manufacturing	Forms 25 & 28, issued by office of the Controller Food and Drugs A	dministration Madhya	
license number	Pradesh 25/1/2014 & 28/1/2014, valid till 16.01.2024	5	
Desk assessment d			
Start and end dates	21 June – 08 July 2021		
of review			
Products under	Finished Pharmaceutical Product	Prequalification	
prequalification		status	
	Dolutegravir (Sodium) Tablet, Film-coated 50mg	Prequalified	
	Sulfamethoxazole/Trimethoprim Tablet 400mg/80mg	Prequalified	
	Sulfamethoxazole/Trimethoprim Tablet 800mg/160mg	Prequalified	
	Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil	Prequalified	
	fumarate Tablet, Film-coated 50mg/300mg/300mg		
	Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet,	Prequalified	
	Film-coated 400mg/300mg/300mg		
	Flucytosine Tablet 250mg	Under assessment	
	Flucytosine Tablet 500mg	Under assessment	
	Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet,	Prequalified	
	Film-coated 400mg/300mg/300mg		
	Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil	Prequalified	
	fumarate Tablet, Film-coated 50mg/300mg/300mg		
	Dolutegravir (Sodium) Tablet, Dispersible 10mg	Prequalified	
	Linezolid Tablet, Film-coated 600mg	Prequalified	
	Lamivudine/Nevirapine/Zidovudine Tablet, Dispersible	Prequalified	
	Lamivudine/Nevirapine/Zidovudine Tablet, Dispersible	Prequalified	

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	30mg/50mg/60mg		
	Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated 600mg/300mg/300mg	Prequalified	
	Efavirenz/Emtricitabine/Tenofovir disoproxil fumarate Tablet, Film-coated 600mg/200mg/300mg	Prequalified	
	Lamivudine/Nevirapine/Zidovudine Tablet, Film-coated 150mg/200mg/300mg	Prequalified	
	Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg		
	Lamivudine/Zidovudine Tablet, Dispersible 30mg/60mg		
	Artemether/Lumefantrine Tablet 20mg/120mg	Prequalified	
	Artemether/Lumefantrine Tablet 40mg/240mg	Prequalified	
	Emtricitabine/Tenofovir disoproxil fumarate Tablet, Film-coated 200mg/300mg		
	Efavirenz Tablet, Film-coated 600mg	Prequalified	
	Abacavir (sulfate)/Lamivudine Tablet, Film-coated	Prequalified	
	600mg/300mg	•	
	Tenofovir disoproxil fumarate Tablet, Film-coated 300mg	Prequalified	
	Ritonavir Tablet, Film-coated 100mg	Prequalified	
	Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated	Prequalified	
	300mg/300mg		
Products covered	1		
by this desk assessment	400mg/300mg/300mg Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated		
assessment	50mg/300mg/300mg		
	Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg		
List of	1. FDA US inspections report, dates of inspections	Jooning	
documents	a. $21-25$ October 2019		
submitted	b. $20 - 25$ May 2019		
	2. CAPAs related to the FDA US inspection 21 – 25 October 2019		
	3. OGYEI - National Institute of Pharmacy and Nutrition, Hungary	inspection report,	
	dates of inspection 13 – 17 August 2018	1 1 /	
	4. CAPAs related to the OGYEI - National Institute of Pharmacy an	d Nutrition,	
	Hungary inspection report, dates of inspection 13 – 17 August 20	18	
	5. National Institute of Pharmacy and Nutrition, Hungary GMP certificate		
	6. SMF and Annexes		
7. List of GMP certificates			
	8. List of Regulatory Authorities inspections		
	9. List of products manufactured at site		
	10. Declaration: self-inspection		
	11. GMP certificate No V/WHO-GMP/M-2-2018 6780, dated 6-12-18, issued by		
	Licensing Authority Food & Drugs Administration, Idgah Hills, I	Bhopal (M.P.)	
	12. List of product recall in the past three years		
	<ul> <li>13. PQRs:</li> <li>a. Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated 50mg/300mg/300mg, review period 01/01/18 to 31/07/19 and 01/08/19 to 31/07/20</li> </ul>		
b. Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coate 400mg/300mg/300mg, review period 01/03/19 to 29/02/20 and 01/03/20			



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	28/02/2021		
	c. Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg, review period		
	01/01/19 to 31/12/19 and 01/01/2020 to 31/12/2020		
	14. Master BMRs:		
	a. Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-		
	coated 50mg/300mg/300mg b Lamizuding/Zidoyuding Tablet, Film coated 150mg/300mg		
	<ul> <li>b. Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg</li> <li>c. Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated</li> </ul>		
	400mg/300mg/300mg		
	15. Master BPRs:		
	a. Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-		
	coated 50mg/300mg/300mg		
	b. Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg		
	c. Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated		
	400mg/300mg/300mg		
	16. Executed BMRs/BPRs/analytical raw data:		
	d. Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated		
	400mg/300mg/300mg		
	<ul> <li>e. Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg</li> <li>f. Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-</li> </ul>		
	coated 50mg/300		
	16. Declaration: warning	6 6	
	17. Declaration: out-of-st	tock	
	18. Details of the inspection of the authorities performed covering the concerned products		
	N/A		
Any documents	N/A		
missing?			
•		inspection evidence considered and comments	
missing?			
missing? Part 2	Summary of SRA/NRA	inspection evidence considered and comments	
missing? Part 2	Summary of SRA/NRA Dates of inspection:	inspection evidence considered and comments         21 – 25 October 2019         Comprehensive surveillance GMP inspection         Manufacturing Block A – manufacture and packaging of	
missing? Part 2	Summary of SRA/NRA Dates of inspection: Type of inspection: Block/Unit:	inspection evidence considered and comments         21 – 25 October 2019         Comprehensive surveillance GMP inspection         Manufacturing Block A – manufacture and packaging of tablets, granules & Hard gelatin capsules	
missing? Part 2	Summary of SRA/NRADates of inspection:Type of inspection:Block/Unit:Type of	inspection evidence considered and comments         21 – 25 October 2019         Comprehensive surveillance GMP inspection         Manufacturing Block A – manufacture and packaging of	
missing? Part 2	Summary of SRA/NRA Dates of inspection: Type of inspection: Block/Unit: Type of products/Dosage	inspection evidence considered and comments         21 – 25 October 2019         Comprehensive surveillance GMP inspection         Manufacturing Block A – manufacture and packaging of tablets, granules & Hard gelatin capsules	
missing? Part 2 US FDA, USA	Summary of SRA/NRADates of inspection:Type of inspection:Block/Unit:Type of products/Dosage forms covered:	inspection evidence considered and comments         21 – 25 October 2019         Comprehensive surveillance GMP inspection         Manufacturing Block A – manufacture and packaging of tablets, granules & Hard gelatin capsules         Prompt and delayed release tablets and capsules	
missing? Part 2	Summary of SRA/NRADates of inspection:Type of inspection:Block/Unit:Type ofproducts/Dosageforms covered:Dates of inspection:	inspection evidence considered and comments21 – 25 October 2019Comprehensive surveillance GMP inspectionManufacturing Block A – manufacture and packaging of tablets, granules & Hard gelatin capsulesPrompt and delayed release tablets and capsules20 – 25 May 2019	
missing? Part 2 US FDA, USA	Summary of SRA/NRADates of inspection:Type of inspection:Block/Unit:Type of products/Dosage forms covered:Dates of inspection:Type of inspection:	inspection evidence considered and comments21 – 25 October 2019Comprehensive surveillance GMP inspectionManufacturing Block A – manufacture and packaging of tablets, granules & Hard gelatin capsulesPrompt and delayed release tablets and capsules20 – 25 May 2019GMP compliance inspection	
missing? Part 2 US FDA, USA	Summary of SRA/NRADates of inspection:Type of inspection:Block/Unit:Type ofproducts/Dosageforms covered:Dates of inspection:	inspection evidence considered and comments21 – 25 October 2019Comprehensive surveillance GMP inspectionManufacturing Block A – manufacture and packaging of tablets, granules & Hard gelatin capsulesPrompt and delayed release tablets and capsules20 – 25 May 2019GMP compliance inspectionManufacturing Block A	
missing? Part 2 US FDA, USA	Summary of SRA/NRADates of inspection:Type of inspection:Block/Unit:Type of products/Dosage forms covered:Dates of inspection:Type of inspection:Type of inspection:Block/Unit:	inspection evidence considered and comments21 – 25 October 2019Comprehensive surveillance GMP inspectionManufacturing Block A – manufacture and packaging of tablets, granules & Hard gelatin capsulesPrompt and delayed release tablets and capsules20 – 25 May 2019GMP compliance inspectionManufacturing Block A Manufacturing Block B	
missing? Part 2 US FDA, USA	Summary of SRA/NRADates of inspection:Type of inspection:Block/Unit:Type of products/Dosage forms covered:Dates of inspection:Type of inspection:Type of inspection:Block/Unit:Type of	inspection evidence considered and comments21 – 25 October 2019Comprehensive surveillance GMP inspectionManufacturing Block A – manufacture and packaging of tablets, granules & Hard gelatin capsulesPrompt and delayed release tablets and capsules20 – 25 May 2019GMP compliance inspectionManufacturing Block A Manufacturing Block BFingolimod Hydrochloride capsule	
missing? Part 2 US FDA, USA	Summary of SRA/NRADates of inspection:Type of inspection:Block/Unit:Type of products/Dosage forms covered:Dates of inspection:Type of inspection:Block/Unit:Type of products/Dosage	inspection evidence considered and comments21 – 25 October 2019Comprehensive surveillance GMP inspectionManufacturing Block A – manufacture and packaging of tablets, granules & Hard gelatin capsulesPrompt and delayed release tablets and capsules20 – 25 May 2019GMP compliance inspectionManufacturing Block A Manufacturing Block BFingolimod Hydrochloride capsuleDeferasirox Granules	
missing? Part 2 US FDA, USA	Summary of SRA/NRADates of inspection:Type of inspection:Block/Unit:Type of products/Dosage forms covered:Dates of inspection:Type of inspection:Type of inspection:Block/Unit:Type of	inspection evidence considered and comments21 – 25 October 2019Comprehensive surveillance GMP inspectionManufacturing Block A – manufacture and packaging of tablets, granules & Hard gelatin capsulesPrompt and delayed release tablets and capsules20 – 25 May 2019GMP compliance inspectionManufacturing Block A Manufacturing Block BFingolimod Hydrochloride capsuleDeferasirox GranulesEfavirenz/Lamivudine/Tenofovir Disoproxil Fumarate film	
missing? Part 2 US FDA, USA US FDA, USA	Summary of SRA/NRADates of inspection:Type of inspection:Block/Unit:Type of products/Dosage forms covered:Dates of inspection:Type of inspection:Block/Unit:Type of products/Dosage	inspection evidence considered and comments21 – 25 October 2019Comprehensive surveillance GMP inspectionManufacturing Block A – manufacture and packaging of tablets, granules & Hard gelatin capsulesPrompt and delayed release tablets and capsules20 – 25 May 2019GMP compliance inspectionManufacturing Block A Manufacturing Block BFingolimod Hydrochloride capsuleDeferasirox Granules	
missing? Part 2 US FDA, USA US FDA, USA US FDA, USA	Summary of SRA/NRADates of inspection:Type of inspection:Block/Unit:Type of products/Dosage forms covered:Dates of inspection:Type of inspection:Block/Unit:Type of products/Dosage forms covered:	inspection evidence considered and comments21 – 25 October 2019Comprehensive surveillance GMP inspectionManufacturing Block A – manufacture and packaging of tablets, granules & Hard gelatin capsulesPrompt and delayed release tablets and capsules20 – 25 May 2019GMP compliance inspectionManufacturing Block A Manufacturing Block BFingolimod Hydrochloride capsuleDeferasirox GranulesEfavirenz/Lamivudine/Tenofovir Disoproxil Fumarate film coated tablet 300/300/400 mg	
missing? Part 2 US FDA, USA US FDA, USA	Summary of SRA/NRADates of inspection:Type of inspection:Block/Unit:Type of products/Dosage forms covered:Dates of inspection:Type of inspection:Block/Unit:Type of products/Dosage forms covered:Dates of inspection:Block/Unit:Type of products/Dosage forms covered:Dates of inspection:Dates of inspection:	inspection evidence considered and comments21 – 25 October 2019Comprehensive surveillance GMP inspectionManufacturing Block A – manufacture and packaging of tablets, granules & Hard gelatin capsulesPrompt and delayed release tablets and capsules20 – 25 May 2019GMP compliance inspectionManufacturing Block A Manufacturing Block BFingolimod Hydrochloride capsule Deferasirox GranulesEfavirenz/Lamivudine/Tenofovir Disoproxil Fumarate film coated tablet 300/300/400 mg13 – 17 August 2018	

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	Type of products/Dosage forms covered:• Efavirenz/Emtricitabine/Tenofovir Disoproxil tablet • Emtricitabine/Tenofovir Disoproxil tablet • Tenofovir Disoproxil tablet • Febuxostat tablet • Prasugrel tablet • Deferasirox tablet	
Part 3		
Date and conclusion of most recent WHO inspection	Last WHO inspection was performed 23 – 25 May 2018 <u>Outcome of inspection</u> Initial conclusion: Based on the areas inspected, the people met and the documents reviewed and considering the findings of the inspection, including the observations listed in the Inspection Report, a decision on the compliance of: Mylan, India Plot No 11, 12 & 13, Indore Special Economic Zone, Pharma Zone, Phase II, Sector III, Pithampur, District Dhar, Madya Pradesh, 454 775, India with WHO GMP guidelines will be made after the manufacturer's response to the observations has been assessed.	
Summary of	Final conclusion: CAPAs were submitted and assessed by the PQT: Inspection Team and the inspection, following the review of the CAPA, was closed 27 November 2018 as compliant with the standards of GMP published by WHO.The site manufactured Oral Solid Dosage Formulations (Tablets & Hard Gelatin Capsules)	
manufacturing activities as per SMF MLLFD3/SMF00 1/17		
General information about the company and manufacturing site as per SMF	The Pharmaceutical Manufacturing facility situated at Industrial Area, Indore Special Economic Zone, Phase II of Tehsil Dhar of the Dhar District, Madhya Pradesh, of India was originally owned by Unichem Laboratories Limited. It was constructed in March 2012. This facility has been acquired by Mylan Laboratories Limited in 2013. The facility manufactures Oral Solid Dosage Formulations: Tablets, Granules and Hard Gelatin Capsules.	
MLLFD3/SMF00 1/17	Mylan Laboratories Limited is the Indian Subsidiary of Mylan Laboratories Inc., USA which is a specialty Pharma company. Mylan Laboratories Limited Indian operation has its Corporate Office located at Hyderabad. This site is the third formulation site [FDF-3] for Mylan in India.	
	The company has a Pharmaceutical Formulation Plant located on 117301sq. meter plot area at Pharma Zone Indore SEZ, Pithampur, Dhar, M.P. (India). It is located on National Highway-3 connecting Indore with Ahmedabad and Indore with Mumbai. Nearest airport is Devi Ahilyabai Holkar Airport at Indore which is about 40 Kms, from Pithampur. The nearest railway stations are at Mhow (20 km) and Indore (45 km).	
	The facility includes warehouses for raw materials, packaging materials and finished	

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	goods and production sections for the manufacturing and packaging of
	Tablets/Granules/Capsules dosage forms. There are three separate production
	areas/facilities, one is for manufacturing of general category Solid Oral Products (Block
	A), second is for manufacturing of Solid Oral Dosage OEB4 (Occupational Exposure
	Band 4) products only (Block B) and third is for manufacturing of Solid Oral Dosage
	OEB4 products and it is dedicated for manufacturing and packaging of Levothyroxine
	Tablet (Block C). Testing of Raw Material, Packaging Materials, Intermediates and
	Finished goods samples is done at site in a well-equipped Quality Control Laboratory. A
	separate Quality Control facility is available for the testing of OEB4 products.
Areas inspected	Document reviewed including but not limited
	Organization Chart
	Job descriptions for key personnel
	Personnel training and hygiene
	<ul> <li>Product Quality Review</li> </ul>
	<ul> <li>Quality Risk Management</li> </ul>
	Responsibilities of the quality units and production
	Complaints and Recalls
	Deviation control and change control
	CAPA procedure
	OOS and investigation
	Material release
	Self-inspection and vendor qualification
	<ul> <li>Validation and qualification</li> </ul>
	Equipment calibration
	Data integrity
	• Sampling and testing of materials
	Batch processing records
	Materials management system
	Purified water system
	HVAC system
Out of scope and	Products not submitted to WHO for Prequalification
restrictions (last	
WHO inspection)	1 = 0.4
WHO products	Protionamide Tablet, Film-coated 250mg
covered by the	Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg
last WHO	• Efavirenz Tablet, Film-coated 600mg
inspection	• Emtricitabine/Tenofovir disoproxil fumarate Tablet, Film-coated 200mg/300mg
	• Lamivudine/Nevirapine/Zidovudine Tablet, Film-coated 150mg/200mg/300mg
	• Lamivudine/Nevirapine/Zidovudine Tablet, Dispersible 30mg/50mg/60mg
	Efavirenz/Emtricitabine/Tenofovir disoproxil fumarate Tablet, Film-coated
	600mg/200mg/300mg
	<ul> <li>Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated</li> </ul>
	-
	600mg/300mg/300mg
	Lamivudine/Zidovudine Tablet, Dispersible 30mg/60mg
Abbreviations	Meaning
AHU	Air handling unit



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API	Active pharmaceutical ingredient	
BMR	Batch manufacturing record	
BPR	Batch production record	
CAPA	Corrective and preventive action	
CC	Change control	
FPP	Finished pharmaceutical product	
GMP	Good manufacturing practices	
NC	Non-conformity	
NRA	National regulatory agency	
PQR	Product quality review	
PQS	Pharmaceutical quality system	
QA	Quality assurance	
QC	Quality control	
QCL	Quality control laboratory	
QMS	Quality management system	
QRM	Quality risk management	
RA	Risk assessment	
RCA	Root cause analysis	
SMF	Site master file	
SOP	Standard operating procedure	

Part 4

# Summary of the assessment of supporting documentation

## a) List of all regulatory inspections performed in the last 5 years and their outcomes:

Regulatory Authority	Dates of inspection	Outcome
Central Drugs Standard Control Organization (CDSCO) & Food and Drug Administration (FDA), Madhya Pradesh, India	August 2016	Approved
ANVISA, Brazil	August 2016	Approved
Central Drugs Standard Control Organization (CDSCO), India	September 2016	Approved
National Drug Services Organization (NDSO), Lesotho	October 2016	Closed
ZAZIBONA (Collaboration between National Medicines Regulatory Authorities (NMRAs) in Botswana, Namibia, Zambia, and Zimbabwe)	January 2017	Approved
Pharmacy and Poisons Board (PPB), Kenya	April 2017	Approved
National Agency for Food and Drug Administration and Control (NAFDAC), Nigeria	April 2017	Approved
Food and Drug Authority (FDA), Ghana	May 2017	Approved
Central Drugs Standard Control Organization (CDSCO) & Food and Drug Administration (FDA), Madhya Pradesh, India	January 2018	Approved
National Drug Authority (NDA), Uganda	May 2018	Approved
European Medicines Agency (EMA), EU	August 2018	Approved
Central Drugs Standard Control Organization (CDSCO) & Food and Drug Administration (FDA), Madhya Pradesh, India	September 2018	Approved
Central Drugs Standard Control Organization (CDSCO) & Food and Drug Administration (FDA), Madhya Pradesh, India	January 2019	Approved
United States Food and Drug Administration (USFDA), USA	May 2019	EIR received
Food & Drug Administration (FDA), Madhya Pradesh, India	July 2019	

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Regulatory Authority	Dates of inspection	Outcome
Tanzania Medicines and Medical Devices Authority (TMDA), Tanzania	August 2019	Approved
United States Food and Drug Administration (USFDA), USA	October 2019	EIR received
State Food and Drug Administration (FDA), MP State, India	June 2020	Approved
Central Drugs Standard Control Organization (CDSCO) & Food and Drug Administration (FDA), Madhya Pradesh, India	September 2020	Approved
Food and Drug Administration (FDA), Madhya Pradesh, India	October 2020	Approved

#### b) Manufacturing authorization granted by national authorities:

Forms 25 & 28, issued by office of the Controller Food and Drugs Administration Madhya Pradesh 25/1/2014 & 28/1/2014, valid till 16.01.2024

GMP certificate No V/WHO-GMP/M-2-2018 6780, dated 6-12-18, issued by Licensing Authority Food & Drugs Administration, Idgah Hills, Bhopal (M.P.)

#### 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:

Total number of products 84

Sr. No.	Therapeutic Group	Numbers of Product
1.	Antivirals and Antiretroviral Drugs [ARVs]	40
2.	Antidepressants	01
3.	Antiasthmatic	01
4.	Anti Malarials	06
5.	Antipsychotic Drug	02
6.	Antiplatelet	02
7.	Muscle relaxant	01
8.	Antitubercular	02
9.	Antihypertensive	06
10.	Anti-Gout	02
11.	Anti-hyperlipidemic	01
12.	Non-beta lactam antibiotics / antibacterial / anti-fungal	03
13.	Anti-coagulant	02
14.	Iron chelator	02
15.	Immunomodulator/ Antineoplastic/ Fumaric Acid Ester	07
16.	Antiemetic / gastrointestinal	02
17.	Synthetic hormone	01
18.	Nonsteroidal anti- inflammatory drugs	01
19.	Bisphosphonates / Bone Modulator	01
20.	Mucolytic	01



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#### e) Most recent product quality reviews (PQR)s of the concerned WHO products: Submitted and reviewed:

- Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated 50mg/300mg/300mg, review period 01/01/18 to 31/07/19 and 01/08/19 to 31/07/20
- Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated 400mg/300mg/300mg, review period 01/03/19 to 29/02/20 and 01/03/20 to 28/02/21
- Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg, review period 01/01/19 to 31/12/19 and 01/01/2020 to 31/12/2020
- f) Batch manufacturing and packaging records, including the analytical part, for the most recently released batch of relevant products:

Submitted and checked:

- Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated 400mg/300mg/300mg
- Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg
- Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated 50mg/300mg/300mg

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

Submitted and checked:

BMRs:

- Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated 50mg/300mg/300mg
- Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg
- Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated 400mg/300mg/300mg

# <u>BPRs</u>

- Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated 50mg/300mg/300mg
- Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg
- Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated 400mg/300mg/300mg
- i) Recalls in the past three years related to products with quality defects: Tenofovir Disoproxil Maleate / Emtricitabine 300 mg /200 mg Tablets Batch Numbers:

3102833, 3102835, 3105048, 3108440, 3108441 & 3108442

- j) Confirmation by the senior quality assurance representative that a full self-inspection or external audit dedicated to the products has been performed and all matters dealt with: Declaration submitted: that a full self-inspection or external audit dedicated to the products 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:
   Declaration submitted: no warning letter, or equivalent regulatory action, issued by any authority

#### k) Out-of-stock situations:

Declaration submitted: no out-of-stock situation



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l) Additional documents submitted: N/A

#### 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 *Mylan Laboratories Limited*, *FDF-3, Indore, Block A*, located at *Plot No. 11,12 & 13, Special Economic Zone, Pharma Zone, Phase-II, Sector-III, Pithampur-454775, Dist.- Dhar, Madhya Pradesh, 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.

## Part 6 List of guidelines referenced in this inspection report

- WHO good manufacturing practices for pharmaceutical products: main principles. WHO Expert Committee
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  <a href="http://www.who.int/medicines/areas/quality\_safety/quality\_assurance/expert\_committee/trs\_986/en/">http://www.who.int/medicines/areas/quality\_safety/quality\_assurance/expert\_committee/trs\_986/en/</a>
- 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 <u>http://www.who.int/medicines/publications/44threport/en/</u>
- WHO guidelines for sampling of pharmaceutical products and related materials. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Thirty-ninth Report. Geneva, World Health Organization, 2005 (WHO Technical Report Series, No. 929), Annex 4.
   Short name: WHO TRS No. 929, Annex 4 <u>http://whqlibdoc.who.int/trs/WHO\_TRS\_929\_eng.pdf?ua=1</u>
- Supplementary guidelines on good manufacturing practices: validation. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Fortieth Report. Geneva, World Health Organization, 2006 (WHO Technical Report Series, No. 937), Annex 4. Short name: WHO TRS No. 937, Annex 4 <u>http://whqlibdoc.who.int/trs/WHO\_TRS\_937\_eng.pdf?ua=1</u>
- 5. General guidelines for the establishment maintenance and distribution of chemical reference substances. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Forty-first Report Geneva, World Health Organization 2007 (WHO Technical Report Series, No.943) Annex 3. Short name: WHO TRS No. 943, Annex 3 http://whqlibdoc.who.int/trs/WHO TRS 943 eng.pdf?ua=1



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- WHO guidelines on transfer of technology in pharmaceutical manufacturing WHO Expert Committee on Specifications for Pharmaceutical Preparations. Forty-fifth Report Geneva, World Health Organization, 2011 (WHO Technical Report Series, No. 961), Annex 7. Short name: WHO TRS No. 961, Annex 7 <u>http://whqlibdoc.who.int/trs/WHO\_TRS\_961\_eng.pdf?ua=1</u>
- Model guidance for the storage and transport of time-and temperature-sensitive pharmaceutical products. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Forty-fifth Report Geneva, World Health Organization, 2011 (WHO Technical Report Series, No. 961), Annex 9. Short name: WHO TRS No. 961, Annex 9 http://whqlibdoc.who.int/trs/WHO TRS 961 eng.pdf?ua=1

- WHO good practices for pharmaceutical microbiology laboratories. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Forty-fifth Report Geneva, World Health Organization, 2011 (WHO Technical Report Series, No. 961), Annex 2. Short name: WHO TRS No. 961, Annex 2 <u>http://whqlibdoc.who.int/trs/WHO\_TRS\_961\_eng.pdf?ua=1</u>
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- WHO guidelines on quality risk management. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Forty-seventh Report Geneva, World Health Organization, 2013 (WHO Technical Report Series, No. 981), Annex 2. Short name: WHO TRS No. 981, Annex 2 <u>http://www.who.int/medicines/areas/quality\_safety/quality\_assurance/expert\_committee/trs\_981/en/</u>
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15. WHO Guidelines on good manufacturing practices: validation, Appendix 7: non-sterile process validation. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Forty-ninth Report Geneva, World Health Organization, 2015 (WHO Technical Report Series, No. 992), Annex 3. Short name: WHO TRS No. 992, Annex 3

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- 17. WHO Technical supplements to Model Guidance for storage and transport of time and temperature sensitive pharmaceutical products. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Forty-ninth Report Geneva, World Health Organization, 2015 (WHO Technical Report Series, No. 992), Annex 5. Short name: WHO TRS No. 992, Annex 5 http://www.who.int/medicines/areas/quality safety/quality assurance/expert committee/WHO TRS 992 we b.pdf
- 18. WHO general guidance on variations to multisource pharmaceutical products. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Fiftieth Report Geneva, World Health Organization, 2016 (WHO Technical Report Series, No. 996), Annex 10. Short name: WHO Multisource guidance or WHO **TRS No. 996, Annex 10**

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21. WHO guidance on good practices for desk assessment of compliance with good manufacturing practices, good laboratory practices and good clinical practices for medical products regulatory decisions. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Fifty-second Report. Geneva, World Health Organization, 2018 (WHO Technical Report Series, No. 1010), Annex 9. Short name: WHO TRS 1010, Annex 9

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- 25. Points to consider when including Health-Based Exposure Limits (HBELs) in cleaning validation. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Fifty-fifth Report. Geneva, World Health Organization, 2021 (WHO Technical Report Series, No. 1033), Annex 2. Short name: WHO TRS 1033, Annex 2

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