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Prequalification Unit Inspection services WHO PUBLIC INSPECTION REPORT

Desk Assessment of Finished Product Manufacturer

| Part 1 | General information | | |
|------------------------|---|----------------------|--|
| Company 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 | | |
| | 13. PQRs: 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 | | |
| 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 | | |
| | b. Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg c. Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated | | |
| | 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 | | |
| | e. Lamivudine/Zidovudine Tablet, Film-coated 150mg/300mg f. Dolutegravir (Sodium)/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film- | | |
| | 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 |
| | Product Quality Review |
| | Quality Risk Management |
| | |
| | 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 |
| | Validation and qualification |
| | 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 |
| | Efavirenz/Lamivudine/Tenofovir disoproxil fumarate Tablet, Film-coated |
| | - |
| | 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

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- 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



- WHO Good Practices for Pharmaceutical Quality Control Laboratories. WHO Expert Committee on Specifications for Pharmaceutical Preparations. Forty-fourth Report. Geneva, World Health Organization, 2010 (WHO Technical Report Series, No. 957, Annex 1. Short name: WHO TRS No. 957, Annex 1 <u>http://www.who.int/medicines/publications/44threport/en/</u>
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- WHO good manufacturing practices for sterile 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 6. Short name: WHO TRS No. 961, Annex 6 <u>http://whqlibdoc.who.int/trs/WHO_TRS_961_eng.pdf?ua=1</u>
- 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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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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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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