# CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

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|---|---|
| **Product Name: Potato Dextrose Agar** | |
| **Product Code: DM215** | **Expiry Date : 18/09/2023** |
| **Lot Number: 05570918** | **Release Date: 19/09/2018** |
| **Analytical Report Number: QAD/AR-18/09-910** | **Page No: 1 of 2** |

| **DEHYDRATED MEDIUM** | | | |
|---|---|---|---|
| **TEST CONDUCTED** | **SPECIFICATION** | **OBSERVATIONS** | **REMARKS** |
| Color | Cream to yellow colored powder | Cream colored powder | Complies |
| Consistency | Homogenous, free flowing powder | Homogenous, free flowing powder | Complies |
| **PREPARED MEDIUM** | | | |
| **TEST CONDUCTED** | **SPECIFICATION** | **OBSERVATIONS** | **REMARKS** |
| Color of medium | Light amber colored medium | Pale cream colored medium | Complies |
| Clarity of medium (After sterilization) | Clear to slightly hazy solution. | Clear to slightly hazy solution. | Complies |
| pH (After sterilization) | 5.40-5.80 at 25°C | 5.54 | Complies |
| Gel strength | Firm as compared to1.5% Agar gel | Firm as compared to1.5% Agar gel | Complies |

**CULTURAL PARAMETERS:** Cultural response on Potato Dextrose Agar at 20 - 25°C after 2 - 5 days of incubation. Recovery rate is considered as 100% for fungus growth on Sabouraud Dextrose Agar.

| Organisms | Incubation time/ temp | No. of organisms inoculated | No. of organisms recovered | Percentage recovery | Growth | Remarks |
|---|---|---|---|---|---|---|
| *Candida albicans* *ATCC 10231* | 20 -25 °C/ 2 -3 days | 80 | 69 | 86% | Good-Luxuriant | Complies |
| *Aspergillus brasiliensis* *ATCC 16404* | 20 -25 °C/ 5 -7 days | 67 | 54 | 80% | Good-Luxuriant | Complies |
| *Saccharomyces cerevisiae* *ATCC 9763* | 30 -35 °C/ 2 -5 days | 75 | 67 | 89% | Good-Luxuriant | Complies |
| *Rhodotorula mucilaginosa* *DSM 70403* | 20 -25 °C 3 -5 days | 68 | 57 | 83% | Good-Luxuriant | Complies |
| *Geotrichum candidum* *DSM 1240* | 25 -30 °C 3 -5 days | 71 | 58 | 81% | Good-Luxuriant | Complies |
| *Penicillium communae* *ATCC 10248* | 25 -30 °C 3 -5 days | 70 | 23 | 32% | fair -good | Complies |
| *Trichophyton ajelloi* *ATCC 28454* | 25 -30 °C 3 -5 days | 69 | 21 | 30% | fair -good | Complies |



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## Final Results: COMPLIES

**This is to certify that this lot passes and it conforms to the above mentioned tests and specifications.**

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|---|---|---|
| | | |
| **TESTED BY**<br>**(Pooja Sutar)**<br>**MICROBIOLOGIST** | **CHECKED BY**<br>**(Aditi Modak)**<br>**HEAD MICROBIOLOGY** | **APPROVED BY**<br>**(Rupali Sabale)**<br>**HEAD QUALITY ASSURANCE** |

**End of Report**

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