**WORK INSTRUCTIONS FOR PNEUMATIC SAMPLE TRANSPORT SYSTEM**

Identified Hazards:

1. Impact of sample capsule
2. Mech: contact with compressed air
3. Nonuse of PPE
4. Improper house keeping
5. Inadequate local lighting
6. Putting hand inside the pneumatic cylinder pipes

Significant Aspect:

1. Air Consumption
2. Place the sample inside the Capsule along with request slip and close the lids properly.
3. Insert the Capsule in the pipe through terminal tube.
4. Close the door by cranking the handle.

  Dos & Don’ts

1. Do not put your hand in the chute while the sample is in transit as it is travelling at a speed of approx. 50-60 Km/h.
2. Ensure that the Capsule lid is firmly tightened before the Capsule is inserted into the system.
3. Capsule to be placed inside the terminal tube with cover facing front (forward direction).
4. Do not attempt to insert a Capsule into the terminal box when a Capsule is already in transit.
5. Do not attempt to force open the terminal door if it is latched, consequences are dangerous.
6. Do not attempt to overload the Capsule. If necessary, split up large load and send two or more samples. Maximum weight should be within 0.9 Kg.
7. Do not strike Capsule against any heavy object for purpose of opening the screwed ends as this will cause serious damage to the Capsule.
8. Inspect the Capsule, frequently, for wear of buffer, damaged lid etc. Worn out or damaged buffers should be replaced immediately as it can cause damage to the fittings.
9. Ensure that the receiving /dispatching station latch is operating freely. Air leakages if any should be attended.

DO’s and DONT’S

If capsule is stuck or any issue is faced in capsule transfer, to and fro movement then mechanical, electrical, instrumentation personnel should be contacted for rectifying the issue.

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| Signature: | Signature: | Signature: |
| Date: **10.07.2023** | Date: **10.07.2023** | Date: **10.07.2023** |

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| **Amendment Record** | | | |
| **Revision date** | **Manual Section ref. and para** | **Brief details of revision** | **New Revision No.** |
| 15.07.2022 | Procedure for pneumatic sample transport system | Change in format | 02 |
| **15.07.2022** | **Procedure for pneumatic sample transport system** | **Carrier word replaced with capsule** | **02** |