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|-----------------------------------|--------------------------------------------------------------------|------------------|
| TC No.: C4.5/RQ/602/25            | Model No.: KFCRQ-4.5                                               | Date: 14-09-2025 |
| Type and Capacity of Extinguisher | : KFCRQ-4.5-Kanex CO2 High Pressure Fire Extinguisher Cap. 4.5 Kg. |                  |
| Batch Number                      | : KFCRQ4.5 602/25                                                  |                  |
| Batch Quantity                    | : 100.00 Nos.                                                      |                  |
| Serial Numbers                    | : 60101 To 60200                                                   |                  |
| Month of Manufacturing            | : Sep/25                                                           |                  |
| Date of Inspection                | : 14-09-2025                                                       |                  |

| Sr. Nos. | Cl. No.    | Tests and Inspection                                                                                                                                                                                                  | Requirements                                                                                                                 | Sampling                                | Observation |
|----------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------|
| 1        | 5.1.2      | Extinguishing Agent                                                                                                                                                                                                   | CO2 Gas Complied to requirements of IS 15222                                                                                 | One                                     | Pass        |
| 2        | 5.3.1      | Fill Density                                                                                                                                                                                                          | Not to exceed 0.667 kg/ltr.                                                                                                  | All                                     | Pass        |
| 3        | 5.3.2      | Filling tolerance                                                                                                                                                                                                     | + 5% by mass & filling ratio Not to exceed 0.667 kg/ltr                                                                      | One                                     | Pass        |
| 4        | 6.1        | Hydro test of the body                                                                                                                                                                                                | Test pressure 225 bar (By Cylinder Manufacturer)                                                                             | All                                     | Pass        |
| 5        | 7.2.2      | Minimum Effective discharge time                                                                                                                                                                                      | Approved Fire Rating is 55B, hence Min. duration is 9 sec.<br>Sr. No. :60101                                                 | One                                     | 12 SEC.     |
| 6        | 7.2.2      | Bulk range of Discharge                                                                                                                                                                                               | Approved Fire Rating is 55B, hence Min. Bulk range is 2 m.<br>Sr. No. :60101                                                 | One                                     | 2.8 Mtr.    |
| 7        | 3.8        | Percentage of discharge                                                                                                                                                                                               | Min. 95%, Sr. No. :60101                                                                                                     | One                                     | 97%         |
| 8        | 7.4.1      | Retention of Charge following partial discharge                                                                                                                                                                       | The second pressure or weight shall not be less than 75% of the first after interruption of the discharge.<br>Sr. No. :60102 | One                                     | 97%         |
| 9        | 7.4.2      | Leakage Test                                                                                                                                                                                                          | Dipping in Water/ Applying Soap Solution                                                                                     | All                                     | Pass        |
| 10       | 9.1        | Construction Requirements                                                                                                                                                                                             | Body shall confirms to IS 7285 (Part 1 or 2) and have concave base                                                           | All                                     | Pass        |
| 11       | 9.3        | Carrying Handle                                                                                                                                                                                                       | Requirements as per IS 15683:2018                                                                                            | All                                     | Pass        |
| 12       | 9.4        | Mounting Test                                                                                                                                                                                                         | As per IS 15683:2018                                                                                                         | All                                     | Pass        |
| 13       | 9.5        | Valves and Closures                                                                                                                                                                                                   | As per IS 15683:2018 and confirms to IS 3224                                                                                 | All                                     | Pass        |
| 14       | 9.6        | Safety device                                                                                                                                                                                                         | Valve having inbuilt safety device as per IS 3224                                                                            | All                                     | Pass        |
| 15       | 9.8        | Hose assemblies                                                                                                                                                                                                       | Length of hose 1 meter and shall withstands a hydro pressure of 275 bar for at least 30 seconds.                             | One                                     | 378Bar      |
| 16       | 9.9        | Method of Operation                                                                                                                                                                                                   | Max. force required to operate the valve with full hand is 300 N                                                             | One                                     | 167N        |
| 17       | 9.10.1     | Safety Locking Devices                                                                                                                                                                                                | Force required to remove Safety locking device is 20N-100N                                                                   | Two                                     | 61N & 66N   |
| 18       | 9.10.6     | Safety Locking Devices                                                                                                                                                                                                | Tamper indicator shall break with force not more than 70N & other requirement as per IS 15683:2018                           | Two                                     | 26N & 31N   |
| 19       | 10.1       | Color for body                                                                                                                                                                                                        | Shade No. 538 (P.O.Red) of IS 5 and black band to be provided                                                                | All                                     | Pass        |
| 20       | --         | Painting                                                                                                                                                                                                              | Cylinders shall be enamel painted with DFT not less than 50μ                                                                 | All                                     | (60-90)μ    |
| 21       | 10.2.1     | Marking                                                                                                                                                                                                               | As per IS 15683:2018                                                                                                         | All                                     | Pass        |
| 22       | 10.2.2     | Operating Instructions                                                                                                                                                                                                | As per IS 15683:2018                                                                                                         | All                                     | Pass        |
| 23       | 10.2.3     | Code symbols                                                                                                                                                                                                          | As per IS 15683:2018                                                                                                         | All                                     | Pass        |
| 24       | 10.3       | Inspection instructions                                                                                                                                                                                               | As per IS 15683:2018                                                                                                         | All                                     | Pass        |
| 25       | Type tests | 1)Resistance to Temp. changes<br>2)Impact test<br>3)Vibrations test<br>4) External Corrosion test<br>5)Intermittent discharge test<br>6)Maximum Service Pressure<br>7) Fire performance test for B class 8) Horn Test | As per IS 15683:2018                                                                                                         | As per Scheme of testing And inspection | Pass        |
| 26       | --         | Dimensions & completeness                                                                                                                                                                                             | Diameter: 140±5mm & height : 700mm Approx.                                                                                   | All                                     | Pass        |
| 27       | --         | Approvals                                                                                                                                                                                                             | PESO & BIS                                                                                                                   | All                                     | Pass        |

**Remarks: This is to certify that the Carbon Di Oxide type Fire Extinguisher of Capacity 4.5 kg. meets and Confirms to the requirements of IS 15683:2018.**



**Authorized Signatory**