

|                                   |                                                                       |                  |
|-----------------------------------|-----------------------------------------------------------------------|------------------|
| TC No.: C4.5/AL/HQ/003/26         | Model No.: KFCHQ-4.5-AL                                               | Date: 13-02-2026 |
| Type and Capacity of Extinguisher | : KFCHQ-4.5-AL-Kanex CO2 High Pressure Fire Extinguisher Cap. 4.5 Kg. |                  |
| Batch Number                      | : KFCHQ4.5AL 003/26                                                   |                  |
| Batch Quantity                    | : 50.00 Nos.                                                          |                  |
| Serial Numbers                    | : 00101 To 150                                                        |                  |
| Month of Manufacturing            | : Feb/26                                                              |                  |
| Date of Inspection                | : 13-02-2026                                                          |                  |

| Sr. Nos. | Cl. No.    | Tests and Inspection                                                                                                                                                                                                     | Requirements                                                                                                                 | Sampling                                | Observation |
|----------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------|
| 1        | 3.5        | Service Pressure                                                                                                                                                                                                         | Shall be above 19 bar for high pressure extinguishers                                                                        | One                                     | 60 bar      |
| 2        | 5.1.2      | Extinguishing Agent                                                                                                                                                                                                      | CO2 Gas Complied to requirements of IS 15222                                                                                 | One                                     | Pass        |
| 3        | 5.3.1      | Fill Density                                                                                                                                                                                                             | Not to exceed 0.667 kg/ltr.                                                                                                  | All                                     | Pass        |
| 4        | 5.3.2      | Filling tolerance                                                                                                                                                                                                        | -5% to 0% by mass & filling ratio Not to exceed 0.667 kg/ltr                                                                 | One                                     | Pass        |
| 5        | 6.1        | Hydro test of the body                                                                                                                                                                                                   | Test pressure 225 bar (By Cylinder Manufacturer)                                                                             | All                                     | Pass        |
| 6        | 7.2.2      | Minimum Effective discharge time                                                                                                                                                                                         | Approved Fire Rating is 55B, hence Min. duration is 9 sec.<br>Sr. No. :00101                                                 | One                                     | 11 SEC.     |
| 7        | 7.2.2      | Bulk range of Discharge                                                                                                                                                                                                  | Approved Fire Rating is 55B, hence Min. Bulk range is 2 m.<br>Sr. No. :00101                                                 | One                                     | 2.6 Mtr.    |
| 8        | 3.8        | Percentage of discharge                                                                                                                                                                                                  | Min. 95%, Sr. No. :00101                                                                                                     | One                                     | 97%         |
| 9        | 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. :00102 | One                                     | 97%         |
| 10       | 7.4.2      | Leakage Test                                                                                                                                                                                                             | Dipping in Water/ Applying Soap Solution                                                                                     | All                                     | Pass        |
| 11       | 9.1        | Construction Requirements                                                                                                                                                                                                | Body shall confirms to IS 15660                                                                                              | All                                     | Pass        |
| 12       | 9.3        | Carrying Handle                                                                                                                                                                                                          | Requirements as per IS 15683:2018                                                                                            | All                                     | Pass        |
| 13       | 9.4        | Mounting Test                                                                                                                                                                                                            | As per IS 15683:2018                                                                                                         | All                                     | Pass        |
| 14       | 9.5        | Valves and Closures                                                                                                                                                                                                      | As per IS 15683:2018 and confirms to IS 3224                                                                                 | All                                     | Pass        |
| 15       | 9.6        | Safety device                                                                                                                                                                                                            | Valve having inbuilt safety device as per IS 3224                                                                            | All                                     | Pass        |
| 16       | 9.8        | Hose assemblies                                                                                                                                                                                                          | Length of hose 1 meter and shall withstands a hydro pressure of 275 bar for at least 30 seconds.                             | One                                     | 365Bar      |
| 17       | 9.9        | Method of Operation                                                                                                                                                                                                      | Max. force required to operate the valve with full hand is 300 N                                                             | One                                     | 215N        |
| 18       | 9.10.1     | Safety Locking Devices                                                                                                                                                                                                   | Force required to remove Safety locking device is 20N-100N                                                                   | Two                                     | 56N & 61N   |
| 19       | 9.10.6     | Safety Locking Devices                                                                                                                                                                                                   | Tamper indicator shall break with force not more than 70N & other requirement as per IS 15683:2018                           | Two                                     | 23N & 28N   |
| 20       | 10.1       | Color for body                                                                                                                                                                                                           | Shade No. 538 (P.O.Red) of IS 5 and black band to be provided                                                                | All                                     | Pass        |
| 21       | --         | Painting                                                                                                                                                                                                                 | Cylinders shall be enamel painted with DFT not less than 50μ                                                                 | All                                     | (60-90)μ    |
| 22       | 10.2.1     | Marking                                                                                                                                                                                                                  | As per IS 15683:2018                                                                                                         | All                                     | Pass        |
| 23       | 10.2.2     | Operating Instructions                                                                                                                                                                                                   | As per IS 15683:2018                                                                                                         | All                                     | Pass        |
| 24       | 10.2.3     | Code symbols                                                                                                                                                                                                             | As per IS 15683:2018                                                                                                         | All                                     | Pass        |
| 25       | 10.3       | Inspection instructions                                                                                                                                                                                                  | As per IS 15683:2018                                                                                                         | All                                     | Pass        |
| 26       | 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<br>8) Horn Test | As per IS 15683:2018                                                                                                         | As per Scheme of testing And inspection | Pass        |
| 27       | --         | Dimensions & completeness                                                                                                                                                                                                | Diameter: 140±5mm & height : 700mm Approx.                                                                                   | All                                     | Pass        |
| 28       | --         | Approvals                                                                                                                                                                                                                | PESO, BIS                                                                                                                    | All                                     | Pass        |

**Remarks: This is to certify that the Carbon Dioxide type Fire Extinguisher of Capacity 4.5 kg. (Aluminum body) meets and Confirms to the requirements of IS 15683:2018.**



**Authorized Signatory**