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|-----------------------------------|---------------------------------------------------------|------------------|
| TC No.: W9/CP/RQ/006/25           | Model No.: KFWCRQ-9                                     | Date: 23-06-2025 |
| Type and Capacity of Extinguisher | : KFWCRQ-9-Kanex Water CP Fire Extinguisher Cap. 9 Ltr. |                  |
| Batch Number                      | : KFWCRQ9 006/25                                        |                  |
| Batch Quantity                    | : 101.00 Nos.                                           |                  |
| Serial Numbers                    | : 00501 To 600 And 505A                                 |                  |
| Month of Manufacturing            | : Jun/25                                                |                  |
| Date of Inspection                | : 23-06-2025                                            |                  |

| Sr. Nos. | Cl. No.    | Tests and Inspection                                                                                                                                                                                                                                    | Requirements                                                                                                                 | Sampling                 | Observation |
|----------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|
| 1        | 5.1.5      | Extinguishing Agent                                                                                                                                                                                                                                     | Pure Water (DM Water)                                                                                                        | One                      | Pass        |
| 2        | 5.3.2      | Filling tolerance                                                                                                                                                                                                                                       | +5% by Volume                                                                                                                | One                      | Pass        |
| 3        | 6.1        | Hydro test of the body                                                                                                                                                                                                                                  | Test pressure 35 bar, Hold for 2.5 Min.                                                                                      | All                      | Pass        |
| 4        | 7.2        | Effective discharge time                                                                                                                                                                                                                                | Approved fire rating is 3A, hence Min. duration is 13sec.<br>Sr. No. :00501                                                  | One                      | 39 SEC.     |
| 5        | 7.2        | Bulk range of Discharge                                                                                                                                                                                                                                 | Approved fire rating is 3A, hence Min. bulk range is 2m.<br>Sr. No. :00501                                                   | One                      | 7 Mtr.      |
| 6        | 3.8        | Percentage of Discharge                                                                                                                                                                                                                                 | Min. 95%, Sr. No. :00501                                                                                                     | One                      | 97%         |
| 7        | 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. :00502 | One                      | 97%         |
| 8        | 7.4.2      | Leakage Test                                                                                                                                                                                                                                            | Inverted Glass Jar/ Applying Soap Solution                                                                                   | All                      | Pass        |
| 9        | 9.2        | Construction Requirements                                                                                                                                                                                                                               | 60gm CO2 gas cartridge shall conform to IS 4947 and other requirements of IS 15683:2018                                      | All                      | Pass        |
| 10       | 9.2.2      | Burst test of body                                                                                                                                                                                                                                      | Burst pressure shall be 55 bar if break from body and shall be 80 bar if break from welding .<br>Sr. No. :00505A             | One                      | 118 Bar     |
| 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                                                                                                         | All                      | Pass        |
| 14       | 9.8        | Hose Assemblies                                                                                                                                                                                                                                         | Length of hose is 550mm and shall withstands a hydro pressure of 55 bar for at least 30 seconds.                             | One                      | 63 Bar      |
| 15       | 9.9        | Method of Operation                                                                                                                                                                                                                                     | Max. force required to operate the valve with full hand is 200N                                                              | One                      | 175N        |
| 16       | 9.10.1     | Safety Locking Devices                                                                                                                                                                                                                                  | Force required to remove safety locking device is 20N-100N                                                                   | Two                      | 63N & 68N   |
| 17       | 9.10.6     | Safety Locking Devices                                                                                                                                                                                                                                  | Tamper indicator shall break with force not more than 70N & other requirement as per IS 15683:2018                           | Two                      | 56N & 61N   |
| 18       | 10.1       | Color for body                                                                                                                                                                                                                                          | Shade no. 538 (P.O. Red) of IS 5 and Red band to be provided                                                                 | All                      | Pass        |
| 19       | --         | Anticorrosive treatment & Painting                                                                                                                                                                                                                      | Phosphate treatment followed by Pure polyester Powder coating with DFT not less than 50μ.                                    | All                      | (65-90)μ    |
| 20       | 10.2.1     | Marking                                                                                                                                                                                                                                                 | As per IS 15683:2018                                                                                                         | All                      | Pass        |
| 21       | 10.2.2     | Operating Instructions                                                                                                                                                                                                                                  | As per IS 15683:2018                                                                                                         | All                      | Pass        |
| 22       | 10.2.3     | Code symbols                                                                                                                                                                                                                                            | As per IS 15683:2018                                                                                                         | All                      | Pass        |
| 23       | 10.3       | Inspection instruction                                                                                                                                                                                                                                  | As per IS 15683:2018                                                                                                         | All                      | Pass        |
| 24       | Type tests | 1)Resistance to Temp. changes<br>2)Impact test<br>3)Vibrations test<br>4)External Corrosion test 5)Internal Corrosion test 6)Intermittent discharge<br>7)Maximum Service Pressure<br>8)Crushing test<br>9)Pressure cycling<br>10) Fire performance test | As per IS 15683:2018                                                                                                         | As per Scheme of testing | Pass        |
| 25       | --         | Dimensions and Completeness                                                                                                                                                                                                                             | Diameter: 180±5mm, Height: 585mm Approx, Thickness: 1.7mm Approx                                                             | All                      | Pass        |

**Remarks: This is to certify that the Water Cartridge operated type Fire Extinguisher of Capacity 9 ltr. meets and confirms to the requirements of IS 15683:2018.**



**Authorized Signatory**