|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| WhatsApp Image 2024-09-19 at 11 | **DCS ENGINEERS & CONSULTANT Pvt. Ltd.**  **(Formerly known as DC Consultant)**  Mobile : +91-7018819894, +91-9816755805, e-mail : [officialdcspvtltd@gmail.com](mailto:officialdcspvtltd@gmail.com)  **Regd. Office : VPO Taragarh (Rani Di K) Near Taragarh Palace Tehsil Baijnath District Kangra Himachal Pradesh (176081)** | | | | | |
| **FI&EI** | **ANALYSIS DATA SHEET QSF-1001** | | | | | |
| Job Card No: | | | | Test: | | |
| Sample Description: | | | | Method: | | |
| DOR: | | DOS: | | DOC: | | Page No: |
| Sample Qty: | | | Residual Sample: | | Sample Retention: | |

|  |
| --- |
|  |

|  |
| --- |
| **FLAKINESS & ELONGATION INDEX** |

**Flakiness Index (IS 2386 (Part-1)-RA 2016**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **IS**  **Sieves** | **Weight**  **Retained**  **(gm)** | **%**  **Retained**  **(gm)**  **(X)** | **Mass of**  **Pieces taken**  **(gm)** | **Weight of**  **Pieces passing**  **TG (gm)** | **% pieces**  **Passing TG**  **(Y)** | **Weighted**  **Percentage**  **(XxY)/100** | **%**  **Flakiness** |
| 63-50 |  |  |  |  |  |  |  |
| 50-40 |  |  |  |  |  |  |
| 40-31.5 |  |  |  |  |  |  |
| 31.5-25 |  |  |  |  |  |  |
| 25-20 |  |  |  |  |  |  |
| 20-16 |  |  |  |  |  |  |
| 16-12.5 |  |  |  |  |  |  |
| 12.5-10 |  |  |  |  |  |  |
| 10-6.3 |  |  |  |  |  |  |

**Elongation Index (IS 2386 (Part-1)-RA 2016**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **IS**  **Sieves** | **Weight**  **Retained**  **(gm)** | **%**  **Retained**  **(gm)**  **(X)** | **Mass of**  **Pieces taken**  **(gm)** | | **Weight of**  **Pieces retained on**  **LG (gm)** | **% pieces**  **Retained on LG**  **(Y)** | **Weighted**  **Percentage**  **(XxY)/100** | **%**  **Elongation** |
| 63-50 |  |  | |  |  |  |  |  |
| 50-40 |  |  |  | |  |  |  |
| 40-31.5 |  |  |  | | **-** | **-** | **-** |
| 31.5-25 |  |  |  | |  |  |  |
| 25-20 |  |  |  | |  |  |  |
| 20-16 |  |  |  | |  |  |  |
| 16-12.5 |  |  |  | |  |  |  |
| 12.5-10 |  |  |  | |  |  |  |
| 10-6.3 |  |  |  | |  |  |  |

**Flakiness Index=**

**Elongation Index=**

**Combined FI & EI=**

**Checked by Analyst**