



TEST REPORT

Report No. : SS – 0910249 - A

Report to :

Ruhunu Lanka Cement (Pvt.) Ltd.,
588 A, Negombo Road,
Mahabage.

Issued by:

Materials Laboratory
Industrial Technology Institute
363, Bauddhaloka Mawatha
Colombo 07.

October 14, 2009.

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CHANGE OF CONDITIONS: ITI may at its sole discretion add to or amend the conditions of this report at the time of issue of the report and such additions or amendments shall be binding on the client.

**TEST REPORT**

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| Customer : Ruhunu Lanka Cement (Pvt.) Ltd., 588 A, Negombo Road, Mahabage. | Test Item : Ordinary Portland Cement Service Requested : Customer's letter dated 17 th September, 2009. |
| Description : One (01) Sample Sample was enclosed in a kraft paper bag | Identification of Test Item : Sample was labelled as : D G Cement Ordinary Portland Cement Strength Class 42.5 N Net 50 kg. Manufactured and Packed by Khan Cement Co. Ltd. Dera Ghazi Khan - Pakistan Imported and distributed by Ruhunu Lanka Cement (Pvt.) Ltd., 588 A, Negombo Road, Mahabage. Date of Receipt of Test Item : 17-09-2009 |
| Test Dates : From 22-09-2009 to 14-10-2009 | |

**TEST RESULTS :****1. Physical Properties**

| Test / Unit | Test Method | Results | Requirement SLS 107 : 2008 (Part 1) | |
|----------------------------------------------------------------|--------------------------|------------|----------------------------------------|-----------------------|
| | | | Strength Class | |
| 1. Compressive Strength (N/mm ²) 02 days | SLS ISO 679 | 31.5 | Strength Class | |
| | | | 42.5 N | ≥ 10.0 |
| 2. Setting Time (a). Initial | SLS 107 : Part 2 2008 | 3 h 35 min | Strength Class | |
| | | | 32.5 N 42.5 N | ≥ 1 h 15 min ≥ 1 h |
| 3. Fineness, (m ² /kg) | SLS 107 : Part 2 2008 | 331 | Not less than 225 | |
| 4. Soundness, (mm.) (expansion) | SLS 107 : Part 2 2008 | 0.22 | Not more than 10 | |


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Authorized Signatory

Sarath Jayatileke
Head
Materials Laboratory


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Indrani Withana
Technical Officer



TEST REPORT

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October 27, 2009

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TEST RESULTS :

1. Physical Properties

| Test / Unit | Test Method | Results | Requirement SLS 107 : 2008 (Part 1) | |
|-------------------------------------------------------------|-------------|---------|----------------------------------------|-----------------|
| | | | Strength Class | |
| Compressive Strength (N/mm ²) 28 days | SLS ISO 679 | 58.5 | 32.5 N | ≥ 32.5 & ≤ 52.5 |
| | | | 42.5 N | ≥ 42.5 & ≤ 62.5 |

2. Chemical Composition

| Test / Unit | Test Method | Results | SLS 107 : 2008 Requirement (Part 1) |
|----------------------------------|--------------------------|---------|--------------------------------------------------------------------------------|
| 1. Lime Saturation Factor (LSF) | SLS 107 : Part 2 2008 | 0.93 | Between 0.66 - 1.02 |
| 2. MgO (% by mass) | SLS 107 : Part 2 2008 | 1.96 | Shall not exceed 5.0 |
| 3. SO ₃ (% by mass) | SLS 107 : Part 2 2008 | 2.96 | Shall not exceed 3.0, if C ₃ A > 5.0 % |
| 4. Insoluble Residue (% by mass) | SLS 107 : Part 2 2008 | 0.67 | Shall not exceed 1.5 (≤ 5.0 if minor constituent included) |
| 5. Loss on Ignition (% by mass) | SLS 107 : Part 2 2008 | 1.47 | Shall not exceed 4.0 (≤ 5.0 if calcareous minor constituent included) |
| 6. Chloride (% by mass) | SLS 107 : Part 2 2008 | 0.04 | Shall not exceed 0.10 |

Authorized Signatory

Sarath Jayatileke
HeadMaterials Laboratory
27th October, 2009.

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Indrani Withana
Technical Officer



TEST REPORT

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| <p>Description :</p> <p>One (01) Sample</p> <p>Sample was enclosed in a kraft paper bag</p> | <p>Identification of Test Item :</p> <p>Sample was labelled as :</p> <p>D G Cement Ordinary Portland Cement Strength Class 42.5 N Net 50 kg. Manufactured and Packed by Khan Cement Co. Ltd. Dera Ghazi Khan - Pakistan Imported and distributed by Ruhunu Lanka Cement (Pvt.) Ltd., 588 A, Negombo Road, Mahabage.</p> <p>Date of Receipt of Test Item :</p> <p>17-09-2009</p> |
| <p>Test Dates : From 22-09-2009 to 26-10-2009</p> | |