10/06

Recipient:

D(QA)



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INSTITUTION

இலங்கை கட்டளைகள் நிறுவனம் 🛌

SRI LANKA STANDARDS INSTITUTION Laboratory Services Division

0 5 OCT 2009

QUALITYASSUR

## TEST REPORT

Materials Laboratory

Subject:

ORDINARY PORTLAND CEMENT

[PHYSICAL AND MECHANICAL REQUIREMENTS]

Report Number:

MT/1504/2009 PART I

Date of Report:

2009-10-05

B/127 - 839920

Your ref.:

13/127, B57574 A

Test item(s) received on:

2009-09-21

Test item(s) submitted by:

D(QA)

Date(s) of performance of test(s):

2009-09-24

Tests carried out in accordance with:

SLS 107: Part 1 (Fourth Revision): 2008

Particulars of Test item(s):

One sample consisting of 50 kg cement bag.

Brand name

: D.G Cement

Strength class

: 42.5N

Laboratory is not responsible for sampling

### RESULTS

#### 1. Markings

a) name and the address of the manufacturer

D G Khan Cement Company Ltd, Dera Ghazi Khan, Pakistan.

b) name and the address of the packer (where relevant) and

Not applicable

name and the address of the distributor (where relevant)

Ruhunu Lanka Cement (Pvt) Ltd,

588 A Negombo Road, Mahabaga, Ragama.

c) generic name of the product in Sinhala, Tamil and English

Present

d) strength class

42.5N

e) product certification mark

Present

f) the week of manufacture and

2009-08-15

the date of packing

2009-08-17

g) net mass of contents in kg

50kg

h) best before

Best befor three month date of pack.

i) mass of empty bag

Not Present

#### 2. Delivery and packing (see Note 1)

Parameter	Results	Specification	
2.1 Strength of cement bag - Drop test (number of drops completed before failure)	10	10 (Minimum)	
2.2 Mass of cement bag in kg			
Gross mass of cement bag in kg	50.2		
Mass of empty bag in g	122		
Net mass of cement bag in kg	120	≥ 50.0	

Note 1: Net mass of cement bag cannot be calculated since either the mass of empty bag was not marked on the package or 10 empty bags were not provided to estimate the mass of empty bag.

HPSVK Pathirana

Sampling Officer/Technical Assistant

er MT/1504/2009 PART I

Date: 2009-10-05

## 3. Setting time and Soundness

Parameter	Results	Specification
3.1 Initial setting time h:min	02:30	≥ 01:00
3.2 Soundness - Le Chatelier's method mm (see Note 2)	02	≤ 10

Note 2: Soundness test was carried out without quantifying the Magnesia content

### 4. Compressive strength

Parameter	Specimen number						
	1	11	111	IV	V	VI	
4.1 Early strength (02 days) N/mm <sup>2</sup>	28.3	25.3	25.6	25.5	26.9	26.7	
Average value	26.4						
Specification N/mm <sup>2</sup>	≥ 10.0						

Note 3: Fineness test cannot be carried out on the sample.

Note 4: The test results for the Standard strength will be submitted subsequently by the PART II of this test report.

This report refers specifically to the test item(s) submitted

Test report shall not be reproduced in total or in part without written approval from Director (Laboratory)

HPSVK Pathirana

Sampling Officer/Technical Assistant

A. S. Dewage

Assistant Director (Materials)

Director (Laboratory Services Division)

2 to Soult Amarawansa

Director

Leboustory Services Division

Sri Lanks Standards Institution