



## UGANDA NATIONAL BUREAU OF STANDARDS

### CERTIFICATE OF LABORATORY RECOGNITION

**Certificate No: UNBS/LRS/0025**

This certificate is valid as per the scope stated in the accompanying schedule of recognition, Annex "A" which is an integral part of the present certificate bearing the above recognition number for

### TESTING OF CEMENT RAW MATERIALS, CEMENT AND FUELS

In accordance with the recognised International Standard **ISO/IEC 17025:2017**

Being supplied to

#### HIMA CEMENT LIMITED

P. O. Box 7230, Kampala.  
Kasese Plant - Hima Town Council, Kasese District,

The recognition demonstrates technical competence and the operation of a laboratory quality management system to perform the tests as described in the Annex. While this certificate remains valid, the recognised laboratory above is authorised to use the relevant UNBS recognition number to issue facility reports and /or certificates.

**Recognition Decision Date: 2022-01-03**  
**Date of original issue: 2022-01-03**  
**Certificate Issue No:01**

**Effective Date: 2022-01-03**  
**Expiry date: 2025-01-02**  
**Certificate Issue date: 2022-01-03**

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**Executive Director**  
**UGANDA NATIONAL BUREAU OF STANDARDS**



## ANNEX A

## SCHEDULE OF RECOGNITION – TESTING LABORATORIES

| Facility Number   | UNBS/LRS/0025 | S/N | Technical Signatories                             | Method  |
|---|---------------|-----|---|---|
| Hima Cement Limited<br><br>P.O. Box 7230<br><br>Kasese Plant - Kasese District, Hima Town Council |               | 1.  | ROSETTE KABUGHO<br>(Technical Signatory)          | US EAS 148-3:2017,<br>US EAS 148-1:2017<br>US EAS 148-6:2017,<br>US EAS 148-2:2017,<br>ASTM D7582,<br>Gravimetric/Metrohm/<br>HCL-WI-QC-24-C/<br>HCL-WI-QC-20-C<br>Volumetric/ Karl<br>Fischer/ HCL-WI-QC-<br>20-C  |
|   |               | 2.  | LUTEBUUKA EMMANUEL<br>(Technical Signatory)       | US EAS 148-3:2017,<br>US EAS 148-1:2017<br>US EAS 148-6:2017,<br>US EAS 148-2:2017,<br>ASTM D7582,<br>Gravimetric/Metrohm/<br>HCL-WI-QC-24-C/<br>HCL-WI-QC-20-C,<br>Volumetric/ Karl<br>Fischer/ HCL-WI-QC-<br>20-C |
|   |               | 3.  | TIMBIGAMBA<br>SANTAMARIA (Technical<br>Signatory) | US EAS 148-3:2017,<br>US EAS 148-1:2017<br>US EAS 148-6:2017,<br>US EAS 148-2:2017,<br>ASTM D7582,<br>Gravimetric/Metrohm/<br>HCL-WI-QC-24-C/<br>HCL-WI-QC-20-C,<br>Volumetric/ Karl<br>Fischer/ HCL-WI-QC-<br>20-C |
|   |               | 4.  | FRED ATUGONZA<br>(Analyst)                        | US EAS 148-3:2017,<br>US EAS 148-1:2017<br>US EAS 148-6:2017,<br>US EAS 148-2:2017,<br>ASTM D7582,<br>Gravimetric/Metrohm/<br>HCL-WI-QC-24-C/<br>HCL-WI-QC-20-C,<br>Volumetric/ Karl<br>Fischer/ HCL-WI-QC-<br>20-C |
|   |               | 5.  | SOFIA NAMUYONGA                                   | US EAS 148-3:2017,  |

|  |  | (Analyst)  | US EAS 148-1:2017<br>US EAS 148-6:2017.  |
|--|--|--|--|
|  |  | 6. ROSETTE KABUGHO<br>(Technical Signatory)                      | US EAS 148-3:2017,<br>US EAS 148-1:2017<br>US EAS 148-6:2017,<br>US EAS 148-2:2017,<br>ASTM D7582,<br>Gravimetric/Metrohm/<br>HCL-WI-QC-24-C/<br>HCL-WI-QC-20-C<br>Volumetric/ Karl<br>Fischer/ HCL-WI-QC-<br>20-C |
| Material or products tested  | Type of tests/property measured, Range of Measurement        | Standard specifications, Techniques/Equipment used               |  |
| <b>TESTING FIELD - PHYSICAL</b>  |  |  |  |
| Cement   | Setting time (initial)                                       | US EAS 148-3:2017/HCL-WI-QC-09-C                                 |  |
|  | Setting time (final)   | US EAS 148-3:2017/HCL-WI-QC-09-C                                 |  |
|  | Compressive strength   | US EAS 148-1:2017/HCL-WI-QC-10-C                                 |  |
|  | Fineness (Blaine)  | US EAS 148-6:2017/HCL-WI-QC-06-C                                 |  |
|  | Expansion  | US EAS 148-3:2017//HCL-WI-QC-09-C                                |  |
|  | Standard consistency   | US EAS 148-3:2017//HCL-WI-QC-09-C                                |  |
| <b>TESTING FIELD - CHEMISTRY</b>   |  |  |  |
| Cement   | Chemical analysis, Insoluble residues, free-lime & chlorides | US EAS 148-2:2017/HCL-WI-QC-18-C, HCL-WI-QC-30-C, HCL-WI-QC-19-C |  |
| Fuels (Heavy Fuel Oil, PETCOKE, Biomass, Coal, Light Diesel Oil, Used oil) | Sulfur   | Leco-SC-144R/ HCL-WI-QC-32-C                                     |  |
|  | Calorific Value  | ASTM D7582/ HCL-WI-QC-29-C                                       |  |
|  | Ash chemistry  | US EAS 148-2:2017/ HCL-WI-QC-10-B                                |  |
|  | Ash content  | ASTM D7582/Thermogravimetric analysis                            |  |
|  | Volatile mater   | ATSM D7582/Thermogravimetric analysis                            |  |
|  | Bulk density   | Gravimetric method   |  |
|  | Chloride content   | Gravimetric/Metrohm/ HCL-WI-QC-24-C                              |  |
| Moisture   | Volumetric/ Karl Fischer/ HCL-WI-QC-20-C                     |  |  |

|  |                   |                                     |
|--|-------------------|-------------------------------------|
| Cement Raw materials<br>(Pozzolana, Kaolin, Al Clay, Lava ash, sand and bauxite) | Chemical Analysis | US EAS 148-2:2017                   |
|  | Bulk density      | Gravimetric method                  |
|  | Chlorides         | Gravimetric/Metrohm/ HCL-WI-QC-24-C |
|  | Moisture          | Gravimetric/ Oven/ HCL-WI-QC-20-C   |

ISSUED BY

UGANDA NATIONAL BUREAU OF STANDARDS

  
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MANAGER CERTIFICATION DEPARTMENT