



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION **INTERLABORATORY SERVICES, NATIONAL** **COUNCIL FOR CEMENT AND** **BUILDING MATERIALS**

has been assessed and accredited in accordance with the standard

ISO/IEC 17043:2010

"Conformity Assessment - General Requirements for Proficiency Testing"

for its facilities at

34, KM Stone, NH-2, Delhi-Mathura Road, Ballabgarh, Haryana

in the field of

Proficiency Testing Provider

Certificate Number PC-1007

Issue Date 10/05/2019

Valid Until 09/05/2021

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this Proficiency Testing Provider, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL



8907697040000000036

N. Venkateswaran
Chief Executive Officer



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SCOPE OF ACCREDITATION

PT Provider Interlaboratory Services, National Council for Cement and Building Materials, 34, KM Stone, NH-2, Delhi-Mathura Road, Ballabgarh, Haryana

Accreditation Standard ISO/IEC 17043:2010

Certificate Number PC-1007

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Validity 10.05.2019 to 09.05.2021

Last Amended on --

| S.No. | Proficiency Testing Scheme | Proficiency Testing Item | Analyte/ Parameter/ Test Method |
|-------|----------------------------|--------------------------|---------------------------------|
|-------|----------------------------|--------------------------|---------------------------------|

CHEMICAL TESTING

| I. | SIMULTANEOUS SCHEME | BUILDING MATERIAL | |
|----|---------------------|-------------------|--------------------------------|
| | | Limestone | Loss on ignition |
| | | | SiO ₂ |
| | | | Fe ₂ O ₃ |
| | | | Al ₂ O ₃ |
| | | | CaO |
| | | | MgO |
| | | | Na ₂ O |
| | | | K ₂ O |
| | | | Free silica |
| | | Clinker | Loss on ignition |
| | | | SiO ₂ |
| | | | Fe ₂ O ₃ |
| | | | Al ₂ O ₃ |
| | | | CaO |
| | | | MgO |
| | | | SO ₃ |
| | | | Insoluble residue |
| | | | Na ₂ O |
| | | | K ₂ O |
| | | | Chloride |
| | | Cement | Loss on ignition |
| | | | SiO ₂ |
| | | | Fe ₂ O ₃ |
| | | | Al ₂ O ₃ |
| | | | CaO |
| | | | MgO |
| | | | SO ₃ |

Anita Rani
Convenor

N. Venkateswaran
Program Manager



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| S.No. | Proficiency Testing Scheme | Proficiency Testing Item | Analyte/ Parameter/ Test Method |
|-------|----------------------------|------------------------------|---------------------------------------|
| | SIMULTANEOUS SCHEME | BUILDING MATERIALS Cement | Insoluble residue |
| | | | Na ₂ O |
| | | | K ₂ O |
| | | | Chloride |
| | | Fly Ash | Loss on ignition |
| | | | SiO ₂ |
| | | | Fe ₂ O ₃ |
| | | | Al ₂ O ₃ |
| | | | CaO |
| | | | MgO |
| | | | SO ₃ |
| | | | Na ₂ O |
| | | K ₂ O | |
| | | Concrete admixture | Dry material content |
| | | | Ash content |
| | | | pH |
| | | | Chloride ion content |
| | | Water for concrete | Organic (volatile) filterable residue |
| | | | Inorganic (fixed) filterable residue |
| | | | Suspended (non-filterable) matter |
| | | | Sulphates (as SO ₃) |
| | Chlorides (as Cl) | | |
| | pH | | |
| | | Acidity/Alkalinity | |

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| S.No. | Proficiency Testing Scheme | Proficiency Testing Item | Analyte/ Parameter/ Test Method |
|-------|----------------------------|-------------------------------------|---------------------------------|
| | SIMULTANEOUS SCHEME | SOLID FUELS Coal/ Coke/ Pet coke | Moisture |
| | | | Ash |
| | | | Volatile Matter |
| | | | Sulphur |
| | | | Calorific Value |

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MECHANICAL TESTING

| I. | SIMULTANEOUS SCHEME | BUILDING MATERIAL | |
|----|---------------------|----------------------------------|--|
| | | Cement | Specific surface (Blaine fineness) |
| | | | Normal Consistency |
| | | | Setting time |
| | | | Compressive strength |
| | | | Residue on 90 µm sieve |
| | | Fly Ash | Retention on 45 µm sieve |
| | | | Blaine fineness |
| | | | Lime reactivity |
| | | | Compressive strength |
| | | Aggregate | Sieve analysis |
| | | | Apparent specific gravity |
| | | | Water absorption |
| | | | Bulk density |
| | | | Crushing value |
| | | | 10% Fines value |
| | | | Impact value |
| | | | Abrasion value |
| | | | Flakiness index |
| | | | Elongation index |
| | | Mortar/concrete | Compressive strength |
| | | Tile (ceramic) | Water absorption |
| | | Burnt clay building brick | Water absorption Compressive strength |


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| S.No. | Proficiency Testing Scheme | Proficiency Testing Item | Analyte/ Parameter/ Test Method |
|-------|----------------------------|---------------------------------------|--|
| | | BUILDING MATERIAL Steel bar | Nominal mass 0.2% Proof Stress/Yield stress Elongation Tensile strength |

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