



**STANDARDS**  
MALAYSIA

# Certificate of Accreditation

No: SMM 104

Accredited since: 21 February 1997

This is to certify that

TASEK CORPORATION BERHAD LABORATORY  
TASEK CORPORATION BERHAD  
TASEK INDUSTRIAL STATE,  
IPOH, PERAK,  
MALAYSIA.



Scan this QR Code or visit  
[www.ism.gov.my/cab-directories](http://www.ism.gov.my/cab-directories)  
for the current scope of accreditation

has been granted accreditation in respect of the scope of accreditation described in the schedule, subject to the terms and conditions governing the *Skim Akreditasi Makmal Malaysia* (SMM), the Laboratory Accreditation Scheme of Malaysia.

Laboratories accredited under SMM meet the requirements of MS ISO/IEC 17025. This Malaysian Standard is identical with ISO/IEC 17025 published by the International Organization for Standardization (ISO).



  
(SHAHARUL SADRI BIN ALWI)  
Director General  
Department of Standards Malaysia

Date of issue: 2 March 2020

# Schedule

Issue date: 2 March 2020  
Valid until: 24 March 2023



MS ISO/IEC 17025

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**LABORATORY LOCATION:**  
(PERMANENT LABORATORY)



**TASEK CORPORATION BERHAD LABORATORY**  
**TASEK CORPORATION BERHAD**  
**TASEK INDUSTRIAL ESTATE,**  
**31400 IPOH,**  
**PERAK,**  
**MALAYSIA.**

**FIELDS OF TESTING: CHEMICAL, MECHANICAL**

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

**SCOPE OF TESTING: CHEMICAL**

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Cement	<u>Physical Properties</u>  Fineness Specific surface area (m <sup>2</sup> /kg)	MS EN 196-6: 2007 Clause 4 Blaine method
	Setting time: Initial (minutes) Final (minutes)	MS EN 196-3: 2007 Clause 6 Vicat apparatus
	Soundness Expansion (mm)	MS EN 196-3: 2007 Clause 7 Le Chatelier method
	Standard consistence	MS EN 196-3: 2007 Clause 5 Vicat apparatus
	Flexural and compressive strength mortar prism	MS EN 196-1:2007 Clause 9

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## SCOPE OF TESTING: MECHANICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Masonry Cement	Standard consistence	MS EN 196-3: 2007 Clause 5
	Setting times	MS EN 196-3: 2007 Clause 6
	Soundness	MS EN 196-3: 2007 Clause 7 Chatelier Method
	Setting Time	MS EN 413-2: 2012 Clause 4
	Standard Consistence	MS EN 413-2: 2012 Clause 5
	Water Retention	MS EN 413-2: 2012 Clause 6
	Air Content	MS EN 413-2: 2012 Clause 7
Cement & Clinker	Loss on ignition	MS 522: Part 3: 2005 Clause 15
	Insoluble residue	MS 522: Part 3: 2005 Clause 8
	Sulphuric anhydride (SO <sub>3</sub> )	MS 522: Part 3: 2005 Clause 16
	Total silica (SiO <sub>2</sub> )	MS 522: Part 3: 2005 Clause 9.2
	Total oxide (R <sub>2</sub> O <sub>3</sub> )	MS 522: Part 3: 2005 Clause 10.2
	Ferric oxide (Fe <sub>2</sub> O <sub>3</sub> )	MS 522: Part 3: 2005 Clause 13

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**SCOPE OF TESTING: MECHANICAL**

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Cement & clinker (continued)	Magnesium oxide (MgO)	MS 522: Part 3: 2005 Clause 12.2
	Total lime (CaO)	MS 522 : Part 3: 2005 Clause 11.2
	Total Alkali (Na <sub>2</sub> O + K <sub>2</sub> O)	ASTM C – 114: 1994
	Chloride (Cl)	EN 196-2: 2005 (E)
	Sulphuric Anhydride (SO <sub>3</sub> ) Silica Oxide (SiO <sub>2</sub> ) Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> ) Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) Magnesium Oxide (MgO) Calcium Oxide (CaO)	MS EN 196-2: 2007 National Annex NA X-Ray Fluorescence Analysis
Masonry cement	Sulphuric anhydride (SO <sub>3</sub> )	MS 522: Part 3: 2005 Clause 16

**Signatory:**

1. Nurulashikin Mohamad Ariffin      IKM No.: L/1717/5553/09