

TPS YELLOW PRO SERIES

MULTI PURPOSE FLEXIBLE CEMENT ADDITIVE



Make cement lighter & stickier



100% Replaces Lime



Reduce cement wastage
Convert cement into skim coat



TPS B01

TECHNICAL DATA

Mixing Ratio		Packing	20kg per Bag (100g x 200 Packets)
Skim Coat	3 Packets TPS Yellow + 1 Bag OPC / PCC 2 Packets TPS Yellow + 1 Bag Masonry / Walcrete	Coverage	(According to Mixing Ratio Provided) Touch Dry Wall : 30 m ² for 1mm thickness Dry Wall : 25 m ² for 1mm thickness
Patch Honeycomb Install Corner Bead Screeding Top Coat Cement Marking	4 Packets TPS Yellow + 1 Bag Composite Cement	Pot Life	1-3 Hours
Install 1'x1' Tiles	1 Packets TPS Yellow + 10kg OPC + 20kg Fine Sand	(Trial mix should be conducted to determine optimum mix)	

APPLICATION



1 Mix TPS Yellow with cement in paint barrel.
Mixing ratio based on application required.



2 Stir with electric mixer until creamy consistency.
Use mixture after 3 minutes for best result.

PLASTER SMOOTH FINISH	INSTALL CORNER BEAD	PATCH UP HONEYCOMB	SCREEDING TOP COAT
50% Harder Than Skim Coat 25% More Coverage (Touch Dry Skim)	Better Adhesion Reduce Cement Wastage	Reduce Shrinkage Crack Reduce Hollowness	Reduce Shrinkage Crack Reduce Hollowness

Above information is only for general guidance. It is impossible to give specific instruction for various site condition or to control the application.

TECHNICAL DATA



VALUED CUSTOMER





TECHNICAL DATA SHEET

TPS YELLOW

PRODUCT DESCRIPTION

TPS Yellow is a top quality highly concentrated additives for cement based plaster top coat finishes.

USES

Application on internal plastering top coat finishes.

ADVANTAGES

- ✓ Good crack bridging capability
- ✓ Mixes and applies easily
- ✓ Very good adhesion to substrates
- ✓ Non-toxic, same as cement
- ✓ Improve bond strength
- ✓ Improve productivity
- ✓ Scratch resistant surface finish

PRODUCT DATA

Form : Powder
 Appearance / Colours : White
 Packaging : 20 kg (200 packets in 100g packing)
 Storage Conditions / Shelf Life : 60 months from the date of production if stored properly in original, unopened and undamaged sealed packaging, in cool, dry conditions. Keep away from direct sunlight.

TECHNICAL DATA

Chemical Base : Polymer modified plasticiser
 Filler : Graded Silica Sand / Limestone powder
 Aggregate Size : 0.10-0.50mm

HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling, storage, and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (available upon request) containing physical, ecological toxicological and other safety-related data



SYSTEM INFORMATION

Application Details : 3 Packets TPS Yellow + 1 Bag OPC / PCC
 Mixing ratio : 2 Packets TPS Yellow + 1 Bag Mansonry / Walcrete
 Coverage : Touch Dry Wall: Approx. 270 Square Feet for 2mm thickness.
 (According to mixing ratio above) Dry Wall: Approx. 300 Square Feet for 2mm thickness.
 Substrate Quality : Concrete and brick surfaces must be clean, free from grease, oil and loosely adhering particles.
 Substrate Preparation : Wetting of substrate is recommended if the substrate is too dry before the application of TPS Yellow.

APPLICATION INSTRUCTIONS

Application Method / Tools : Refer Method Statement.
 Cleaning of Tools : Clean all tools and application equipment with water immediately after use.
 Pot Life (maximum) : 120 ~ 180 minutes (at room temperature). Pot life is shorter at higher temperatures.
 Notes on Application / Limitations : Due to variation of sand, trial mix is strongly recommended to determine optimum mix.

LEGAL NOTES

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. Neither Shijiru Sdn Bhd nor any of its parent's companies assumes any liability what so ever for the accuracy or completeness of the information contained herein.

VIVO RAISER SDN. BHD. (920807-P)

9 & 10, JLN PKNK 3/7, KAWASAN PERUSAHAAN SUNGAI PETANI
 08000 SUNGAI PETANI, KEDAH, MALAYSIA

Phone: 04-4102148 Email: sales@shijiru.com Website: www.shijiru.com



ENG SUB



ENG SUB





SIRIM QAS International Sdn. Bhd. (410334-X)
No.1, Persiaran Dato' Menteri, P.O.BOX 7035, Section 2,
40700 Shah Alam, Selangor Darul Ehsan, Malaysia
Tel: 03-55445872
Fax: 03-55445886
www.sirim-qas.com.my

TEST REPORT

REPORT NO : 2019CB1133

PAGE : 1 OF 2

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THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant : VIVO RAISER SDN BHD
No: 9 & 10, Jalan PKNK 3/7,
Kawasan Perindustrian Sungai Petani,
08000 Sungai Petani
Kedah

Manufacturer : VIVO RAISER SDN BHD

Product : TPS Yellow

Reference Standard / Method of Test : BS EN 1015-11: 1999,
Methods of test for mortar for masonry – Part 11: Determination of flexural and compressive strength of hardened mortar

Description of sample / Description of Test Specimen : One (1) bag of 5 kg sample (mixed with TPS Yellow + Ordinary Portland Cement + Fine Sand) was received for testing.
Brand: TPS
Product description: Mortar Additives for Bricklaying, Rendering & Plastering.


Date Received of Complete Application : 26 March 2019

Job No. : J20191430587

Description of Test Results / Overall Test Result : The test results of the submitted test sample are described in Page 2 of this test report.

Issued Date : 13 June 2019

Approved Signatories;


.....
(HANON NAZIR BIN MOHD BASIR)
Senior Testing Executive




.....
(RAJAH) NOR SIHA BINTI RAJA ABDUL HANAN)
Head
Civil & Construction Section
Testing Services Department

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TEST RESULTS:

Product : TPS Yellow
 Mix ratio : 2 g TPS Yellow + 1 kg Ordinary Portland Cement + 4 kg Fine Sand + 1.25 litre of water
 Method of test : BS EN 1015-11: 1999,
 Methods of test for mortar for masonry – Part 11: Determination of flexural and compressive strength of hardened mortar

NO.	TYPE OF TEST METHOD	TEST RESULTS
1.	Determination of Flexural & Compressive Strength (28 days)	<p><u>Flexural Strength</u> 1) 1.9 N/mm² 2) 2.2 N/mm² 3) 1.9 N/mm² Mean: 2.0 N/mm²</p> <p><u>Compressive Strength</u> 1) 5.4 N/mm² 2) 5.5 N/mm² 3) 6.6 N/mm² 4) 6.4 N/mm² 5) 5.8 N/mm² 6) 5.5 N/mm² Mean: 5.9 N/mm²</p>

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6. If such approval is obtained from the Managing Director of SIRIM QAS International, the Applicant may only include the phrase, "A sample of this product has been tested by SIRIM QAS International ... (Test Report No) ... (dated) (for what test) ... (to which standard)" or such similar words which stress that only the Sample was actually tested. This phrase shall only be used for the purpose of product advertisement or product promotion (eg; brochures). For avoidance of doubt, the statement shall not be used on the sample and packaging of the sample.
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 - a) Informing and placing a notice in the media;
 - b) Obtaining an injunction from Court (cost on a solicitor-client basis to be borne by the Applicant);
 - c) Refusing to accept any further Product for Testing Services from the Applicant or whosoever related to the Applicant, whether subsidiary or otherwise;
 - d) Instructing the Applicant to withdraw and recall the advertisement, statement or document in question and advertise a clarification and apology to SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries twice in a national publication of SIRIM QAS International's choice at the Applicant's sole cost; and
 - e) Informing or lodging a report pertaining the Applicant's Test Report with the relevant authorities.
10. Certified true copies of the Test Report may be issued upon request by the Applicant upon payment of the relevant fee.
11. Corrections to test report shall only be allowed within 6 months from issuance date of the test report and shall be limited to maximum 3 times, after either case whichever occurs earlier, a new test report shall be issued and replace the previous one (having error(s) or lack of information). Issuance of Supplementary Report to the original Test Report shall be for the followings;
 - a) Misprints and typo errors
 - b) Missing technical information
 - c) Test data not reported
 - d) Mistake in reporting of test data



The Singapore Environment Council hereby grant

Vivo Raiser Sdn Bhd

No 9 & 10, Jalan PKNK 3/7, Kawasan Perusahaan Sungai Petani
08000, Kedah, Malaysia

the right to use the Singapore Green Label for

PLASTICISER ADDITIVE SERIES

022-145-3313

Environmentally Preferred Cement / Concrete Product

(In accordance to SEC Green Label Category 22: Cement and Concrete Products)

Validity: 21 August 2025 to 8 November 2026

Cheang Kok Chung
Executive Director



**Singapore
Environment
Council**





METHOD STATEMENT FOR TPS YELLOW

1. INTRODUCTION

TPS Yellow is a all in one concentrated additive for plaster base and finish, tiling, patch up honeycomb, corner bead installation & floor screed topcoat finishes.

2. SUBSTRATE EXAMINATION

Before carrying out plastering works, ensure that: -

- a. All surfaces must be clean, free from dust, oil or traces of foreign materials that can affects adhesion. Protrusions such as wood peels and nails have to be removed prior to apply plastering top coat finishes.

3. SUBSTRATE PREPARATION

Before carrying out the plastering top coat finishing works, ensure that: -

- a. All surfaces must be clean, free from dust, oil or traces of foreign materials.
- b. Wetting of substrate is recommended if the substrate is too dry before the plastering application of TPS Yellow



4. APPLICATION

4.1.1 Application for internal & external plaster base / rough finish

- a. Mix 1 packets of TPS Yellow with 50kg of cement (Ordinary Portland Cement / Portland Composite Cement) and 300kg of plaster sand thoroughly in a drum mixer with approximately 55 litres of clean water until a homogeneous paste is achieved. Additional water can be added if required.
- b. A resting time of 3 minutes is recommended for best consistency.
- c. TPS Yellow mortar is applied using a steel trowel or spatula. As good practice, a maximum thickness of 20mm per coat is recommended.

4.1.2 Application for internal plaster topcoat finishing

- d. Mix 3 packets of TPS Yellow with 50kg of cement (Ordinary Portland Cement / Portland Composite Cement) thoroughly in a drum mixer with approximately 12 litres of clean water until a homogeneous paste is achieved. Additional water can be added if required.
- e. A resting time of 3 minutes is recommended for best consistency.
- f. TPS Yellow mortar is applied using a steel trowel or spatula. As good practice, a maximum thickness of 2mm is recommended (2-3 coats).

4.1.3 Application for internal floor finishing / floor screed top coat

- a. Mix 3 packets of TPS Yellow with 50kg of cement (Ordinary Portland Cement / Portland Composite Cement) thoroughly in a drum mixer with approximately 12 litres of water until a homogeneous paste is achieved. Additional water can be added if required.
- b. A resting time of 3 minutes is recommended for best consistency.
- c. TPS Yellow mortar is applied using a steel trowel or spatula. As good practice, a maximum thickness of 2 mm per application is recommended. (2-3 coats).
- d. For external floor finishing, we recommend adding 5kg of TPS Bonding Agent Normal to mix with 3 packets TPS Yellow, 50kg Cement and 12kg water.



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4.1.4 Application for internal & external tiles installation up to 1x2 feet

- a. Mix 1 packets of TPS Yellow with 10kg of cement (Ordinary Portland Cement is highly recommended) and 20kg of clean fine sand thoroughly in a drum mixer with approximately 12 litres of water until a homogeneous paste is achieved. Additional water can be added if required.
- b. A resting time of 3 minutes is recommended for best consistency.
- c. TPS Yellow mortar is applied using a notched trowel. As good practice, a maximum thickness of 4-8 mm is recommended.
- d. However, we strongly recommend TPS Thin Bed Adhesive for maximum quality consistency.

4.1.5 Application for internal & external corner bead installation

- a. Mix 3 packets of TPS Yellow with 50kg of cement (Ordinary Portland Cement / Portland Composite Cement) thoroughly in a drum mixer with approximately 12 litres of water until a homogeneous paste is achieved. Additional water can be added if required.
- b. A resting time of 3 minutes is recommended for best consistency.
- c. Cement adhesion mark will be installed at the rear end of corner bead with every interval of minimum 50cm

5. REMARK

- Due to variations of cement at site, trial mix should be conducted to determine optimum mix.
- TPS Yellow should not be applied on painted surfaces.
- Additional illustration for application can be obtained from our website and flyer.

6. DISCLAIMER



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Last Update: 21/04/2025



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RegNo: 201001036884 | TIN: C21294886050 | MSIC Code: 23959 | SST No: A10-2508-22200004
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VR2022-006

SAFETY DATA SHEET

1. PRODUCT & COMPANY INFORMATION

General Product Name : **TPS Xtra Yellow**
Product Description : **Water based cellulose polymer plasticiser for plastering**

Shijiru Sdn Bhd
9 & 10, Jln PKNK, Kawasan Perusahaan Sungai Petani
08000 Sungai Petani, Kedah, Malaysia
Contact Numbers: +60124093200, +60124947600
Website: www.shijiru.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS #	Description
Mortar Additives	1332-58-7	A preparation of cellulose polymer based on a significant portion of plasticiser, graded limestone powders, kaolin and other chemicals. Detail information on content is confidential.

3. HAZARDS IDENTIFICATION

United States (US)

According to OSHA 29CFR 1910.1200 (HCS)

GHS Classification of the substance or mixture

Not classified

GHS Label Elements

Pictogram None

Signal Word None

Hazard Statements None

Precautionary Statements

Prevention

Use engineering controls and wet methods to minimize dust.

Response

If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Get medical attention if exposed or concerned.



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VR2022-006

Storage

Keep dry to preserve usefulness.

Disposal

Dispose of material in accordance with federal, state, and local regulations.

4. FIRST AID MEASURES

If irritation or other symptoms (as noted above) occur or persist from any route of exposure, remove the affected individual from the area and get medical aid.

EYES: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. Occasionally lifting the upper and lower eyelids with fingers and roll eyes in circular motion. Get medical aid if needed.

SKIN: Wash exposed areas of the body with soap and water. Get medical aid if irritation develops or persists

INHALATION: Remove from area of exposure and move to fresh air immediately; seek medical attention if symptoms persist.

INGESTION: Never give anything by mouth to an unconscious person. Get medical aid. Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cups or milk or water.

Note to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Dry chemical, foam, water, or extinguishing media appropriate for surrounding fire.

Unusual Fire and Explosion Hazards

Material poses no fire-related hazard.

Special hazards arising from the mixture

None known

Special Protective Equipment and Precautions for Firefighters

A SCBA is recommended to limit exposures to combustion products when fighting any fire.



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

No special precautions required. General recommendations: Wear appropriate Personal Protective Equipment. (See Section 8)

Environmental precautions

This product does not present an ecological hazard to the environment. Dispose of in accordance with applicable federal, state, and local regulations.

Methods and materials for containment and cleaning up

No specific clean-up procedures necessary. Pick up unused product to prevent tripping hazard

7. HANDLING AND STORAGE

Handling:

Keep away from heat. Do not ingest. If ingested, seek medical advice immediately and show the container or the label. Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid drinking, tasting, swallowing or ingesting this product. Provide eyewash fountains and safety showers in the work area.

Storage:

No special packaging required. Not classified as dangerous goods under the United Nations Transport Recommendations.

8. EXPOSURE CONTROL /PERSONAL PROTECTION

Engineering Controls:

Facilities storing or utilizing this materials should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low. Always provide effective general and when necessary local exhaust ventilation to draw spray, aerosol, fume, mist, and vapour away from workers to prevent routine inhalation.

RESPIRATORY PROTECTION:

In case of insufficient ventilation, wear suitable respiratory equipment

PERSONAL PROTECTIVE EQUIPMENT EYES:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.



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OTHER PROTECTIVE MEASURES:

Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder

Appearance: Off-White

Odour: Odourless

PH @ 1.0% H₂O: 6.0 – 8.0

Vapour Pressure: Not available.

Vapour Density, Not available.

Boiling Point: Not available.

Freezing/ Melting Point: Not available.

Decomposition Temperature: Not available.

Volatiles, % by weight: Not available.

Specific Gravity (H₂O=1): Not available.

Solubility in H₂O, % by Volume: Soluble

Evaporation Rate: Not available.

Viscosity: Not available.

10. STABILITY AND REACTIVITY

GENERAL: This product is stable.

CONDITIONS TO AVOID: Incompatible materials, dust generation, excess heat

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: Strong oxidizing agents HAZARDOUS

DECOMPOSITION PRODUCTS: Combustion produces carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Has not been reported.

11. Toxicological Information

Potential Health Effects:

CAUTION! Repeated inhalation of dust can cause sensitization to susceptible individuals & may cause eye irritation. Pre-existing skin problem may be aggravated by prolonged or repeated contact.

INHALATION: Dust inhalation may cause coughing, mucous production and shortness of breath.

EYE CONTACT: Direct contact may cause irritation.



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SKIN CONTACT: Prolonged or repeated contact is no expected to create acute health effects.

INGESTION: No ingestion effect known.

Chronic health effects: None known

Symptoms / Sign of exposure: Irritation

Routes of exposure: Eye contact, Inhalation

Carcinogenic status: The components of this mixture are not known to be listed or regulated by IARC, NTP, OSHA, ACGIH.

As with all chemicals for which test data are limited or non-exist, caution must be exercised through the prudent use of protective equipment and handling procedure to minimise exposure.

12. Ecological Information

This product is biodegradable.

13. DISPOSAL CONSIDERATIONS

Incinerate or landfill waste a properly permitted facility in accordance with local regulations. Land disposal should be in closed containers.
US RQ: Not applicable

14. TRANSPORT INFORMATION

Cement Additives is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) and no classification is required.

No special precautions are needed apart from those mentioned under heading 8.

15. REGULATORY INFORMATION:

Product name : TPS XTRA Yellow
Danger symbol : Not applicable.



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VR2022-006

16. OTHER INFORMATION:

SDS Prepared by: Vivo Raiser Sdn Bhd

Phone Number: +6044102148

Date of Preparation: 1 January 2017

Revision indicators and Date

Effective Date Change: 9 May 2018 Supersedes: 5 May 2018

Format Changes: Conforms to OSHA 29CFR 1910.1200 (HCS)

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Certificate of Registration



This is to certify that the Environmental Management System of

VIVO RAISER SDN. BHD.

9 & 10, Jln Pknk 3/7, Kawasan Perindustrian Sungai Petani, 08000 Sungai Petani, Kedah, Malaysia.

is in accordance with the requirements of the following standard

ISO 14001:2015
(Environmental Management System)

SCOPE

**Manufacture for Plaster Additive, Skim Coat, Tile-Adhesive and
Cementitious Waterproofing**

(IAF Code: 12)

Certificate Number : 180325026036

Initial Registration Date : 18-Mar-2025

1st Surveillance Date : 18-Feb-2026

Next Due Date : 17-Mar-2026

Certificate Expiry Date : 17-Mar-2028

To verify certificate, visit at :

www.arscert.com

www.uafaccreditation.org

www.iafcertsearch.org

Issued by ARS Assessment Private Limited


Managing Director



CB-MS-3926



UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America

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Certificate of Registration



This is to certify that the Occupational Health and Safety Management System of

VIVO RAISER SDN. BHD.

9 & 10, Jln Pknk 3/7, Kawasan Perindustrian Sungai Petani, 08000 Sungai Petani, Kedah, Malaysia.

is in accordance with the requirements of the following standard

ISO 45001:2018

(Occupational Health and Safety Management System)

SCOPE

Manufacture for Plaster Additive, Skim Coat, Tile-Adhesive and
Cementitious Waterproofing

(IAF Code: 12)

Certificate Number : 270225036005

Initial Registration Date : 27-Feb-2025

st Surveillance Date : 27-Jan-2026

Next Due Date : 26-Feb-2026

Certificate Expiry Date : 26-Feb-2028

To verify certificate, visit at :

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Issued by ARS Assessment Private Limited

Abhishek
Managing Director



CB-MS-3919



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Certificate of Registration



This is to certify that the Quality Management System of

VIVO RAISER SDN. BHD.

SHIJIRU SDN. BHD.

HQ: No. 9 & 10, Jalan PKNK 3/7, Kawasan Perusahaan Sungai Petani, 08000 Sungai Petani, Kedah Darul Aman, Malaysia.

Branch: No 27 & 29, Laluan Industri Lahat 1, Kawasan Perindustrian Lahat, 31450 Ipoh, Perak, Malaysia.

is in accordance with the requirements of the following standard

ISO 9001:2015

(Quality Management System)

SCOPE

Supply of Materials and Labour for Plastering, Skim Coating and Plasterboard Ceiling and Manufacture for Plaster Additive, Skim Coat, Render, Tile-Adhesive and Cementitious Waterproofing Chemical

(IAF Code: 29,35,12)

Certificate Number : 111125016018

Initial Registration Date : 11-Nov-2025

1st Surveillance Date : 10-Oct-2026

Next Due Date : 10-Nov-2026

Certificate Expiry Date : 10-Nov-2028

To verify certificate, visit at :

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Issued by ARS Assessment Private Limited

Abhishek
Managing Director



CB-MS-3923



UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America

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