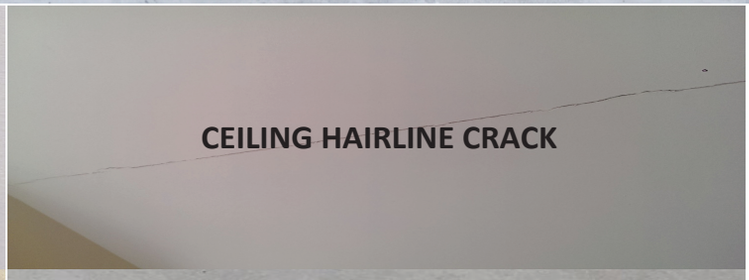
# TPS CRACK SEALER PRO SERIES

REPAIR HAIRLINE & MOVABLE CRACK



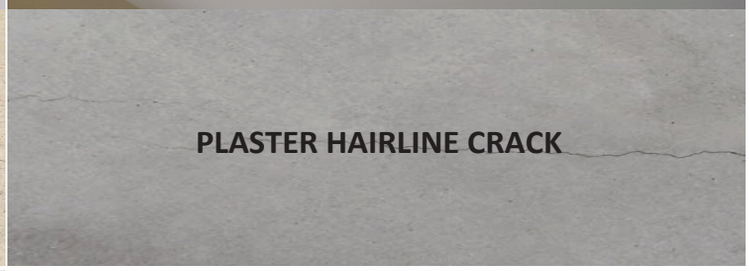












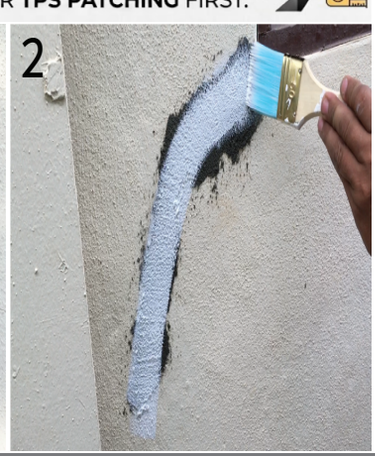

## TECHNICAL DATA

| | |
|---|---|
| **Packing** | ☐1Kg ☐5Kg ☐20Kg |
| **Binder** | PU & Styrene Acrylic Copolymer |
| **Thickness** | 1-2mm Per Coat |
| **Coverage (2 coats)** | On rough surface: 1.4m² /kg<br>On smooth surface: 2.7m² /kg |
| **Item Code** | **WHITE**<br>1Kg TPS G05A<br>5Kg TPS G05<br>20Kg TPS G05B<br>**GREY**<br>1Kg TPS G05C<br>5Kg TPS G05D<br>20Kg TPS G05E |

## PROFESSIONAL CRACK REPAIR GUIDE FOR WALLS

FOR CRACK LINE **BIGGER THAN 2MM**, PATCH UP WITH **TPS SKIM COAT** OR **TPS PATCHING** FIRST.




HOW TO USE

TECHNICAL DATA

VALUED CUSTOMER

# TECHNICAL DATA SHEET

## TPS CRACK SEALER

### PRODUCT DESCRIPTION

TPS Crack Sealer is a high quality flexible and paintable crack sealing agent.




### USES

General crack repair, sealing of movable & non movable hairline cracks and as a paintable protective coating. Areas of application include water tanks, basements, car parks, terraces, balconies, bridges, retaining walls, swimming pools, RC gutters, bathroom floors and walls, planter boxes, wet rooms for example kitchens, waste water treatment plants, shower rooms and laundries.

### ADVANTAGES

- ✓ Good crack bridging capability
- ✓ Easily applied by roller or brush
- ✓ Excellent adhesion
- ✓ Increased frost and salt resistance
- ✓ Decreases carbon dioxide penetration
- ✓ Non-toxic
- ✓ Economical, money for value

### PRODUCT DATA

| | | |
|---|---|---|
| Appearance / Colours | : | White / Grey |
| Packaging | : | 5 kg TPS Crack Sealer |
| Storage Conditions / Shelf Life | : | 12 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 | : | SBR, SA, & PU Based Admixture |
| Elongation at Break | : | > 196% |

### 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

| | | |
|---|---|---|
| Coverage | : | Concrete Surface: Approximately 1.4 kg/m² per coat.<br>Façade / Vertical Surface: 1.4 kg/m² per coat |
| Substrate Quality | : | Surface must be clean, free from grease, oil and loosely adhering particles. |

### APPLICATION INSTRUCTIONS

| | | |
|---|---|---|
| Application Method / Tools | : | Refer Method Statement. |
| Cleaning of Tools | : | Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be mechanically removed. |
| Pot Life (maximum) | : | 30 minutes (at room temperature)<br>Pot life will be shorter at higher temperatures. |
| Notes on Application / Limitations | : | Never apply more than 2 kg/m² of TPS Bonding agent (P) in a single layer. |

### 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 suitableness 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.

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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

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9 & 10, JLN PKNK 3/7, KAWASAN PERUSAHAAN SUNGAI PETANI
08000 SUNGAI PETANI, KEDAH, MALAYSIA
Phone: 04-4102148 Email: sales@shijiru.com

ISO 9001:2015

# TPS CRACK SEALER METHOD STATEMENT

## DESCRIPTION

TPS Crack Sealer is highly flexible PU-based repair liquid for sealing movable and hairline crack.

## BENEFITS

- Highly adhesive on wood, plastered, painted, concrete, gypsum surface.
- Premixed for ready to use
- Weather and chemical resistant

## SUBSTRATE PREPARATION

Before carrying out repair 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 must be removed prior to repairing.

b. Cracks more than 1mm is must be patched up with TPS Patching White Waterproof or TPS White Finish Premium prior to applying TPS Crack Sealer.

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ISO 9001:2015

## APPLICATION OF TPS CRACK SEALER

a. Pour TPS Crack Sealer into a container.

b. Apply TPS Crack Sealer on repair surface in a with paint brush within 15 minutes. Application must be in perpendicular direction.

c. A minimum of 2 cross layer is recommended for maximum protection. 2nd layer can be applied when 1st layer is touch dry.

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RegNo: 201001036884 | TIN: C21294886050 | MSIC Code: 23959 | SST No: A10-2508-22200004
9 & 10, JLN PKNK 3/7, KAWASAN PERUSAHAAN SUNGAI PETANI
08000 SUNGAI PETANI, KEDAH, MALAYSIA
✆ 04-4102148 ✉ sales@shijiru.com

VR2022-023

# SAFETY DATA SHEET

## 1. PRODUCT INFORMATION

General Product Name : **TPS Crack Sealer**
Product Description : **SBR Based Crack Sealer for Movable Crack Up to 2mm**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Name | HS code | Description |
|---|---|---|
| Styrene-Butadiene Rubber (SBR) | 40021100 | Latex-based admixture designed for integral adhesive for cement bond coats, mortars and concrete to improve bond strength and chemical resistance. |

## 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.

**Storage**
Keep dry to preserve usefulness.



**ISSUE DATE: 1.12.2022**

**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

**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.

## 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 googles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**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:** Liquid
**Appearance:** Whitish
**Odour:** Odourless
**PH @ 1.0% H2O**: 5.0 – 11.0
**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 ($H_2O$=1):** Not available.
**Solubility in $H_2O$, % 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.

**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

**HAZARD CLASS**: N/A

**IDENTIFICATION:** N/A

**SPECIAL PROVISIONS FOR TRANSPORT:** N/A

**NAME OF METERIAL:** Not regulated

## 15. REGULATORY INFORMATION:

European/International Regulations

European Labelling in Accordance with EC Directives
Hazard Symbols: N/A
Risk Phrases:
Safety Phrases:

## 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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**(Company No.: 199601037981 (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 : 2020CB0086 | PAGE : 1 OF 2 |
|---|---|

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**THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY**

| | |
|---|---|
| Applicant | : VIVO RAISER SDN BHD<br>No: 9 & 10, Jalan PKNK 3/7,<br>Kawasan Perindustrian Sungai Petani,<br>08000 Sungai Petani,<br>Kedah. |
| Manufacturer | : VIVO RAISER SDN BHD |
| Product | : TPS Crack Sealer |
| Reference Standard / Method of Test | : ASTM D412-16,<br>Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension |
| Description of sample / Description of Test Specimen | : Five (5) sheets membrane (21 cm x 29.6 cm) of TPS Crack Sealer were received for testing.<br>Brand: TPS<br>Product Description: PU Base Crack Protection Product |
| Date Received of Complete Application | : 14 November 2019 |
| Job No. | : J20191431458 |
| Description of Test Results / Overall Test Result | : The test results of the submitted test samples are described in Page 2 of this test report. |
| Issued Date | : 30 January 2020 |

Approved Signatories;

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

SIRIM QAS International Sdn. Bhd. CIVIL & CONSTRUCTION SECTION

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

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**TEST RESULTS:**

Product : TPS Crack Sealer
Average thickness : 1.02 mm
Method of Test : ASTM D412-16,
Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension

| NO. | TYPE OF TEST METHODS | TEST RESULT |
|---|---|---|
| 1. | Determination of Tensile Strength<br>Type Method A: Dumbbell (Die C) | 1) 0.99 N/mm$^2$<br>2) 0.94 N/mm$^2$<br>3) 0.94 N/mm$^2$<br>4) 0.84 N/mm$^2$<br>5) 0.87 N/mm$^2$<br>6) 0.95 N/mm$^2$<br>7) 0.95 N/mm$^2$<br>Mean: 0.93 N/mm$^2$ |
| 2. | Determination of Elongation at Break<br>Type Method A: Dumbbell (Die C) | 1) 318.9 %<br>2) 296.6 %<br>3) 295.4 %<br>4) 360.3 %<br>5) 327.9 %<br>6) 319.1 %<br>7) 315.9 %<br>Mean: 319.2 % |

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6. If such approval is obtained from the Chief Executive Officer 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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   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.

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    b) Changes in details of the Manufacturer's name and/or address;
    c) Changes in details of the Factory location name and/or address;
    d) Changes in details of the model and/or type designation

12. However, issuance of Supplementary Report due to the following reasons are FOC :
    a) Misprints and typo errors;
    b) Missing technical information as agreed in PP1 form;
    c) Test data not reported;
    d) Mistake in reporting of test data

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The Singapore Environment Council hereby grant

# Vivo Raiser Sdn Bhd

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

the right to use the Singapore Green Label for

## TPS WATERPROOF SERIES

## 022-145-3463

## Environmentally Preferred Cement / Concrete Product

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

Validity: 5 June 2025 to 2 July 2026

Cheang Kok Chung
Executive Director

FOR REFERENCE ONLY

Singapore Environment Council

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

SAC Accredited Certification Body
PD-2018-20

1 Kay Siang Road #07-01
Singapore 248922

The Singapore Environment Council hereby grant

**Vivo Raiser Sdn Bhd**

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**Kawasan Perusahaan Sungai Petani**
**08000, Kedah, Malaysia**

the right to use the Singapore Green Label for

WATERPROOF SERIES
022-145-3463
Environmentally Preferred Cement & Concrete Products

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

Validity: 3 July 2026 to 2 July 2028

Cheang Kok Chung
Executive Director

Singapore Environment Council

Accredited Certification Body
PD-2018-20

1 Kay Siang Road #07-01
Singapore 248922

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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 :***

www.arscert.com
www.uafaccreditation.org
www.iafcertsearch.org

Issued by ARS Assessment Private Limited

Managing Director

For Your Reference Only

CB-MS-3923

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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
1st Surveillance Date : 27-Jan-2026
Next Due Date : 26-Feb-2026
Certificate Expiry Date : 26-Feb-2028

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Managing Director

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**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 |

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**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

This certificate remains the property of ARS and must be returned to ARS on Cancellation or Suspension of the certificate Validity of the certificate is subject to successful completion of surveillance audits. Further clarification regarding the scope of this certificate and the applicability of standard may be obtained by consulting the Organisation on info@arscert.com

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