



SIRIM QAS International Sdn. Bhd.
(Company No.: 199601037981 (410334-X))
No.1, Persiaran Dato' Menteri, P.O.BOX 7035, Section 2,
40700 Shah Alam, Selangor Darul Ehsan, Malaysia
Tel: 018-570 1139
www.sirim-qas.com.my

TEST REPORT

REPORT NO : 2025CE2732-A1	PAGE : 1 OF 4
---------------------------	---------------

Unless otherwise stated, the results shown in this Test Report shall be valid exclusively for the specific sample either provided by the Applicant or sampled by the qualified officer and tested by SIRIM QAS International Sdn. Bhd. In deriving the results of this Test Report, SIRIM QAS International Sdn. Bhd. has relied solely on the sample and data information provided by the Applicant, in accordance with the applicable standards requested by the Applicant in the Application Form. This Test Report shall not be reproduced, except in full, without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International Sdn. Bhd. Kindly refer to the last page of this Test Report for the 'Conditions Relating to the Use of SIRIM QAS International Test Report'.

Applicant : NANO STEP SDN. BHD.
NO. 4, LORONG CP 6/49,
TAMAN CHERAS PERDANA, BATU 9,
43200 CHERAS, SELANGOR , MALAYSIA.

Manufacturer : NANO STEP SDN. BHD.
NO. 4, LORONG CP 6/49,
TAMAN CHERAS PERDANA, BATU 9,
43200 CHERAS, SELANGOR , MALAYSIA.

Product : ANTI SLIP LIQUID

Reference Standard / Method of Test : See page 2 for details

Description of sample/ Description of Test Specimen : Received one (1) sample in a form of liquid and coated panel for testing which was labelled as:
Product Name: ANTI SLIP LIQUID

Disclaimer: All the information stated above has been provided/agreed by the Applicant. SIRIM QAS International Sdn. Bhd. shall not be held responsible for the accuracy, completeness, or validity of the information provided by the Applicant which may affect the validity of the test results. The accuracy and reliability of the test results are contingent upon the integrity and accuracy of the information provided by the Applicant.

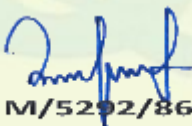
Date Received of Complete Application : 04 August 2025

Job No. : J20253671690

Description of Test Results/ Overall Test Result : The test results of the submitted test samples were described in the following pages of this test report

Issued Date : 07 August 2025

Approved Signatory;


IKM M/5292/8660/20

(ChM. MUHAMMAD ZUHAIRI BIN BORHAN)
Senior Testing Executive





(DALHA BIN KATNI @ RAHMAT)
Head

Chemical, Polymer and Composite Section
Testing Services Department

Unless otherwise stated, the results shown in this Test Report shall be valid exclusively for the specific sample either provided by the Applicant or sampled by the qualified officer and tested by SIRIM QAS International Sdn. Bhd. In deriving the results of this Test Report, SIRIM QAS International Sdn. Bhd. has relied solely on the sample and data information provided by the Applicant, in accordance with the applicable standards requested by the Applicant in the Application Form. This Test Report shall not be reproduced, except in full, without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International Sdn. Bhd. Kindly refer to the last page of this Test Report for the 'Conditions Relating to the Use of SIRIM QAS International Test Report'.

Notes:

- 1) This is a supplementary test report.
- 2) This supplementary test report is issued to include percentage improvement of the test results as requested by the applicant.
- 3) This supplementary test report cancels and replaces the original SIRIM Test Report No. 2024CE2732 dated 28 July 2024

Test Results

Product Name : ANTI SLIP LIQUID

No.	Type of Tests	Method	Results
1.	Heavy metals, % w/w a) Cadmium (Cd) b) Lead (Pb) c) Hexavalent chromium, Cr(VI) d) Mercury (Hg)	IEC 62321-5 IEC 62321-5 IEC 62321-7-2 IEC 62321-4	N.D. ^(a) N.D. ^(a) N.D. ^(a) N.D. ^(a)
2.	Volatile organic compounds (VOC), % w/w a) Benzene b) Toluene c) Ethylbenzene d) Xylenes e) Acetone f) 1-butanol g) Propylene glycol h) Ethylene glycol i) Epichlorohydrin j) n-methyl-2-pyrrolidone k) Other VOCs ^(c) l) Total VOC	CPCT/TP/AE/IN-HOUSE 035 by GCMS in reference to ISO 11890-2	N.D. ^(b) N.D. ^(b) N.D. ^(b) N.D. ^(b) N.D. ^(b) N.D. ^(b) N.D. ^(b) N.D. ^(b) N.D. ^(b) N.D. ^(b) N.D. ^(b) N.D. ^(b)

Note :

- 1) ^(a) Limit of reporting = 0.0005 % w/w
^(b) Limit of reporting = 0.005 % w/w
^(c) Quantification with respect to internal standard. Peaks recorded in the chromatograms were checked for analogies in a NIST library 2020 to chemically identify the substances. The substances were identified by Agilent analysis software (version 10.2) with minimum match factor set at 80%.
- 2) N.D. = Not detected
- 3) Testing period: 1 – 16 July 2025
- 4) Testing location: Chemical and Consumer Laboratory, Building 16, SIRIM Complex, Shah Alam, Selangor



Unless otherwise stated, the results shown in this Test Report shall be valid exclusively for the specific sample either provided by the Applicant or sampled by the qualified officer and tested by SIRIM QAS International Sdn. Bhd. In deriving the results of this Test Report, SIRIM QAS International Sdn. Bhd. has relied solely on the sample and data information provided by the Applicant, in accordance with the applicable standards requested by the Applicant in the Application Form. This Test Report shall not be reproduced, except in full, without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International Sdn. Bhd. Kindly refer to the last page of this Test Report for the 'Conditions Relating to the Use of SIRIM QAS International Test Report'.

Test Results

Product Name : ANTI SLIP LIQUID
Test Method : ASTM E 303: 2022 Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester

No.	Type of Test	Results		
		Antislip (before)	Antislip (after)	improvement, %
1.	Skid Resistance Test, BPN ^(a) Slider: Hardness 96			
1.1	Wet Condition	33	63	90.91
1.2	Dry Condition	63	81	28.57

Note :

- 1) ^(a) BPN – British Pendulum Number
- 2) Testing period: 22 July 2025
- 3) Testing location: Industrial and Material Laboratory, Building 16, SIRIM Complex, Shah Alam, Selangor



Unless otherwise stated, the results shown in this Test Report shall be valid exclusively for the specific sample either provided by the Applicant or sampled by the qualified officer and tested by SIRIM QAS International Sdn. Bhd. In deriving the results of this Test Report, SIRIM QAS International Sdn. Bhd. has relied solely on the sample and data information provided by the Applicant, in accordance with the applicable standards requested by the Applicant in the Application Form. This Test Report shall not be reproduced, except in full, without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International Sdn. Bhd. Kindly refer to the last page of this Test Report for the 'Conditions Relating to the Use of SIRIM QAS International Test Report'.

CONDITIONS RELATING TO THE USE OF SIRIM QAS INTERNATIONAL TEST REPORT

1. A Test Report will be issued in respect of the Testing Services conducted and shall relate only to the sample actually tested by SIRIM QAS International. The results in the Test Report will be based on all the information provided by the Applicant, unless otherwise stated. SIRIM QAS International makes no warranties whatsoever, and the Applicant shall not represent in any manner that any duplication or mass production of the Product is identical to the Sample actually tested, or that SIRIM QAS International has tested any duplicated or mass-produced Product. Measurement uncertainty shall be included in the Test Report when no statement of conformity is required.
2. For quantitative test results (with values), when a statement of conformity to a specification or standard is applied, the Simple Acceptance Rule shall be used. Unless otherwise stated, the Acceptance Rule with Guard Band will be applied, and an additional charge will be incurred accordingly.
3. For qualitative test results (visual observation), when requested by the applicant, a statement of conformity shall be included in the Test Report. If there is no request by the Applicant, a statement of conformity can be included in the Test Report based on SIRIM QAS International Sdn. Bhd.'s discretion.
4. The Applicant shall not at any time misrepresent the content of any Test Report provided by SIRIM QAS International Sdn. Bhd., nor shall the Test Report be misused, amended, changed, varied, or modified in any manner whatsoever by the Applicant or otherwise.
5. The Test Report shall not be reproduced, except in full, without the written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International of No. 1, Block 8, Persiaran Dato' Menteri, Section 2, P.O. Box 7035, 40700 Shah Alam, Selangor Darul Ehsan.
6. The Applicant is not permitted to use any SIRIM QAS International Sdn. Bhd., SIRIM Berhad or other SIRIM subsidiaries logos or words on packaging, sample manuals, technical specifications, items and products.
7. Subject to consent and written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International Sdn. Bhd., the Applicant may use the SIRIM QAS International Sdn. Bhd. logo or word on promotional materials. The Applicant shall only include the phrase, "A sample of this product has been tested by SIRIM QAS International Sdn. Bhd. (Test Report No) ... (dated) ... (for what test) ... (to which standard)", or similar words emphasizing that only the sample was tested. This phrase shall only be used for product advertisements or promotions (e.g.: brochures, flyers, official website). For clarity, the statement shall not be used on the sample, packaging, items or products.
8. In the event there is an investigation from a Government Regulatory Agency concerning the Applicant's Test Report, SIRIM QAS International Sdn. Bhd. may disclose the information pertaining to the Test Report for the purposes of such investigation.
9. In the event that the Applicant is found in breach of this provision, SIRIM QAS International Sdn. Bhd., SIRIM Berhad and/or other SIRIM subsidiaries may, without prejudice to any other rights and remedies, take whatever actions are necessary including but not limited to:
 - a) Informing and placing a notice in the media;
 - b) Obtaining an injunction from the Court (costs on a solicitor-client basis to be borne by the Applicant);
 - c) Refusing to accept any further Products 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 to publish a clarification and apology to SIRIM QAS International, SIRIM and/or other SIRIM 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 to the Applicant's Test Report with the relevant authorities.
10. SIRIM QAS International is committed to supporting environmentally friendly business practices by reducing paper consumption. Therefore, we do not issue any hard copies of the Test Report to the Applicant. However, additional certified true copies or softcopies of the Test Report may be issued upon request by the Applicant, subject to payment of the relevant fee. Certified true copies or softcopies of the Test Report shall only be provided for Test Reports issued not more than **three (3) years** from the date of issuance.
11. The Issuance of an Amendment Report due to the following reasons is chargeable to the Applicant:
 - a) Typo or change¹ in details of the Applicant's name and/or address; or
 - b) Typo or change¹ in details of the Manufacturer's name and/or address; or
 - c) Typo or change¹ in details of the Factory location name and/or address; or
 - d) Typo or change¹ in details of the brand, size, model and/or type designation; or
 - e) Typo in details of the description of sample.Note: ¹Applicable only for electrical and electronic products based on IECCE OD-2020.
12. Any corrections and/or changes to the Report requested by the Applicant shall only be allowed if the date of issuance of the original Test Report has not exceeded six (6) months and shall be limited to a maximum of three (3) times. After either of these conditions is met, no further amendments to the Test Report shall be issued.
13. However, the issuance of a Supplementary Report due to the following reasons is free of charge (FOC):
 - a) Misprints and typographical errors;
 - b) Missing technical information as agreed in the PP1 form;
 - c) Test data not reported; or
 - d) Mistakes in the reporting of test data.