

TEST REPORT:

No. CPSN/250557675-CB76837

Job Ref. C&P/2025-05-02-006

REPORTED DATE: 08-May-2025**SINGAPORE ASAHI CHEMICAL & SOLDER INDUSTRIES PTE LTD**

47 PANDAN ROAD SINGAPORE 609288

The following sample(s) was/were submitted and identified by applicant as:

SAMPLE DESCRIPTION : SAC305 4-5M097


SAMPLE RECEIVED : 02-May-2025

TESTING PERIOD : 02-May-2025 to 08-May-2025

TEST REQUESTED : Selected test(s) as requested by customer

TEST METHOD : -PLEASE REFER TO NEXT PAGE(S)-

TEST RESULTS : -PLEASE REFER TO NEXT PAGE(S)-

SIGNED FOR AND ON BEHALF OF
SGS (MALAYSIA) SDN BHDNURUL NADIAH ARMYS
SENIOR CHEMIST
IKM NO. M/6708/8574/20/24

Test Report Form No.: SGS/TR/CP/039, Ver: 1.0, Effective Date: 21/07/2023

Page 1 of 7

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 7 days (for perishable samples) or 30 days only from date of report.

TEST REPORT:

No. CPSN/250557675-CB76837

REPORTED DATE: 08-May-2025

Job Ref. C&P/2025-05-02-006

TEST RESULTS:

Test Part Description

Sample Description: -PLEASE REFER TO PAGE 1-

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

| Test Parameter(s): | Unit | Test Method | Result | MDL | Limit |
|----------------------------|-------|---|--------|-----|----------|
| Lead (Pb) | mg/kg | With reference to IEC 62321-5:2013, determination of Lead by ICP-OES. | 32 | 2 | Max 1000 |
| Cadmium (Cd) | mg/kg | With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES. | N.D. | 2 | Max 100 |
| Mercury (Hg) | mg/kg | With reference to IEC 62321-4:2013+A1:2017, determination of Mercury by ICP-OES. | N.D. | 2 | Max 1000 |
| Hexavalent Chromium (CrVI) | mg/kg | With reference to IEC 62321-7-2:2017, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis. | N.D. | 8 | Max 1000 |
| Sum of PBBs | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | - | Max 1000 |
| Monobromobiphenyl | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Dibromobiphenyl | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Tribromobiphenyl | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Tetrabromobiphenyl | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Pentabromobiphenyl | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Hexabromobiphenyl | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Heptabromobiphenyl | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Octabromobiphenyl | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Nonabromobiphenyl | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Decabromobiphenyl | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |

SIGNED FOR AND ON BEHALF OF
SGS (MALAYSIA) SDN BHD



NURUL NADIAH ARMYS
SENIOR CHEMIST
IKM NO. M/6708/8574/20/24

Test Report Form No.: SGS/TR/CP/039, Ver: 1.0, Effective Date: 21/07/2023

Page 2 of 7

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 7 days (for perishable samples) or 30 days only from date of report.

SGS (Malaysia) Sdn.Bhd.
(Company No. 10871-T)

No. 60, Jalan I-Park SAC 6, Taman Perindustrian I-Park SAC, 81400 Senai, Johor, Malaysia
t +6(07) 5354 007 www.sgs.com

Member of the SGS Group (SGS SA)

TEST REPORT:

No. CPSN/250557675-CB76837

REPORTED DATE: 08-May-2025

Job Ref. C&P/2025-05-02-006

TEST RESULTS:


Test Part Description

Sample Description: -PLEASE REFER TO PAGE 1-

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

| Test Parameter(s): | Unit | Test Method | Result | MDL | Limit |
|--------------------------|-------|---|--------|-----|----------|
| Sum of PBDEs | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | - | Max 1000 |
| Monobromodiphenyl ether | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Dibromodiphenyl ether | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Tribromodiphenyl ether | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Tetrabromodiphenyl ether | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Pentabromodiphenyl ether | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Hexabromodiphenyl ether | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Heptabromodiphenyl ether | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Octabromodiphenyl ether | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Nonabromodiphenyl ether | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |
| Decabromodiphenyl ether | mg/kg | With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. | N.D. | 5 | - |

SIGNED FOR AND ON BEHALF OF
SGS (MALAYSIA) SDN BHD



NURUL NADIAH ARMYS
SENIOR CHEMIST
IKM NO. M/6708/8574/20/24



Test Report Form No.: SGS/TR/CP/039, Ver: 1.0, Effective Date: 21/07/2023

Page 3 of 7

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 7 days (for perishable samples) or 30 days only from date of report.

SGS (Malaysia) Sdn Bhd.
(Company No. 10871-T)

No. 60, Jalan I-Park SAC 6, Taman Perindustrian I-Park SAC, 81400 Senai, Johor, Malaysia
t +6(07) 5354 007 www.sgs.com

TEST REPORT:

No. CPSN/250557675-CB76837

REPORTED DATE: 08-May-2025

Job Ref. C&P/2025-05-02-006

TEST RESULTS:

Test Part Description

Sample Description: -PLEASE REFER TO PAGE 1-

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

| Test Parameter(s): | Unit | Test Method | Result | MDL | Limit |
|---|-------|--|--------|-----|----------|
| Dibutyl phthalate (DBP) (CAS No. 84-74-2) | mg/kg | With reference to IEC 62321-8:2017, determination of phthalates by GC-MS. | N.D. | 50 | Max 1000 |
| Benzyl butyl phthalate (BBP) (CAS No. 85-68-7) | mg/kg | With reference to IEC 62321-8:2017, determination of phthalates by GC-MS. | N.D. | 50 | Max 1000 |
| Di-(2-ethylhexyl) phthalate (DEHP) (CAS No. 117-81-7) | mg/kg | With reference to IEC 62321-8:2017, determination of phthalates by GC-MS. | N.D. | 50 | Max 1000 |
| Diisobutyl phthalate (DIBP) (CAS No. 84-69-5) | mg/kg | With reference to IEC 62321-8:2017, determination of phthalates by GC-MS. | N.D. | 50 | Max 1000 |

Note : (a) mg/kg = ppm ; (0.1wt% = 1000ppm)

(b) N.D. = Not Detected


(c) MDL = Method Detection Limit

(d) - = Not regulated

(e) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(g)The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

SIGNED FOR AND ON BEHALF OF
SGS (MALAYSIA) SDN BHD



NURUL NADIAH ARMYS
SENIOR CHEMIST
IKM NO. M/6708/8574/20/24



Test Report Form No.: SGS/TR/CP/039, Ver: 1.0, Effective Date: 21/07/2023

Page 4 of 7

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 7 days (for perishable samples) or 30 days only from date of report.

SGS (Malaysia) Sdn.Bhd.
(Company No. 10871-T)

No. 60, Jalan I-Park SAC 6, Taman Perindustrian I-Park SAC, 81400 Senai, Johor, Malaysia
t +6(07) 5354 007 www.sgs.com

TEST REPORT:

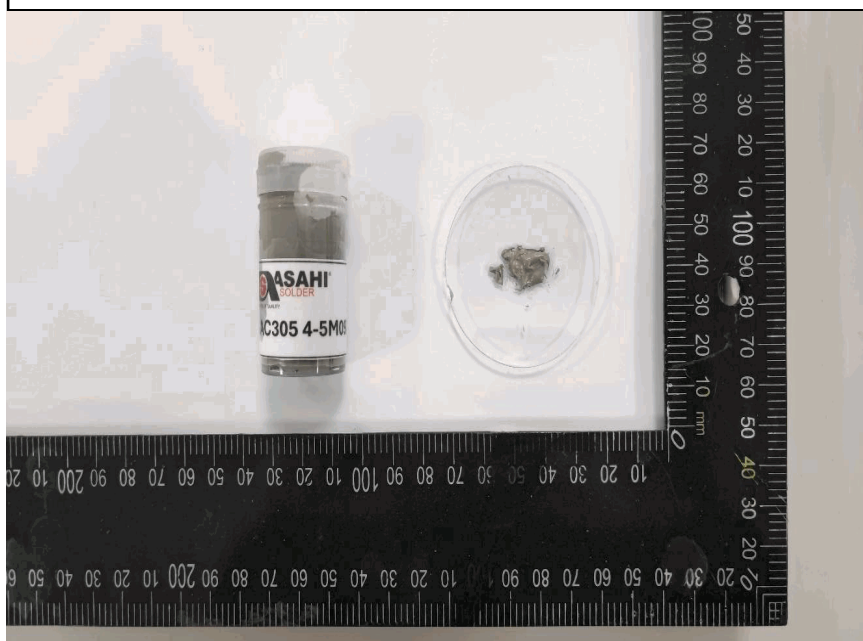
No. CPSN/250557675-CB76837
Job Ref. C&P/2025-05-02-006

REPORTED DATE: 08-May-2025

Test Part Description :

Sample Description: -PLEASE REFER TO PAGE 1-

SINGAPORE ASAHI CHEMICAL & SOLDER INDUSTRIES PTE LTD
CB76837



SGS authenticate the photo on original report only

SIGNED FOR AND ON BEHALF OF
SGS (MALAYSIA) SDN BHD

NURUL NADIAH ARMYS
SENIOR CHEMIST
IKM NO. M/6708/8574/20/24



Test Report Form No.: SGS/TR/CP/039, Ver: 1.0, Effective Date: 21/07/2023

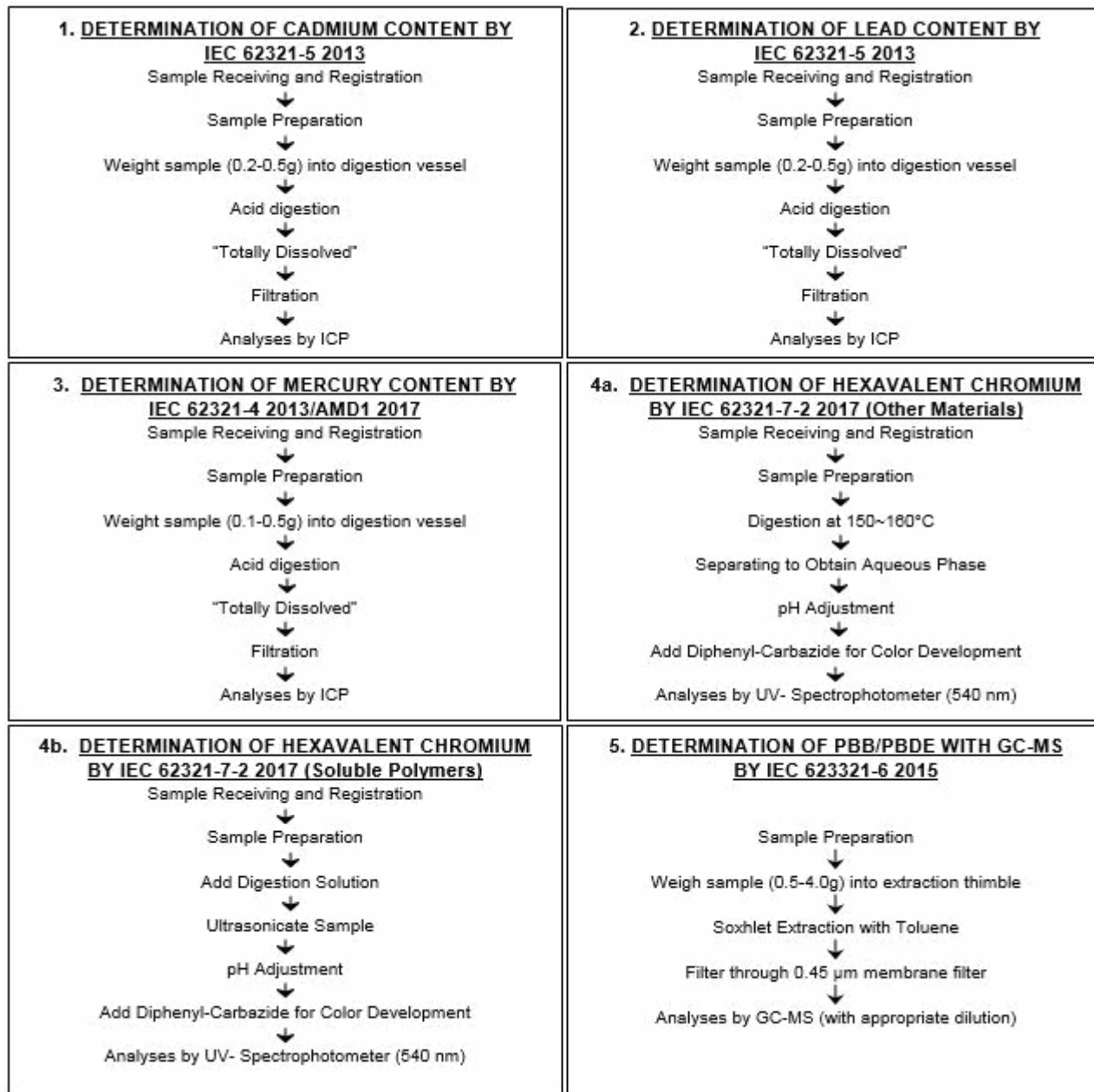
Page 5 of 7

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 7 days (for perishable samples) or 30 days only from date of report.

TEST REPORT:

No. CPSN/250557675-CB76837
Job Ref. C&P/2025-05-02-006

REPORTED DATE: 08-May-2025



SIGNED FOR AND ON BEHALF OF
SGS (MALAYSIA) SDN BHD

NURUL NADIAH ARMYS
SENIOR CHEMIST
IKM NO. M/6708/8574/20/24



Test Report Form No.: SGS/TR/CP/039, Ver: 1.0, Effective Date: 21/07/2023

Page 6 of 7

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 7 days (for perishable samples) or 30 days only from date of report.

SGS (Malaysia) Sdn.Bhd.
(Company No. 10871-T)

No. 60, Jalan I-Park SAC 6, Taman Perindustrian I-Park SAC, 81400 Senai, Johor, Malaysia
t +6(07) 5354 007 www.sgs.com

Member of the SGS Group (SGS SA)

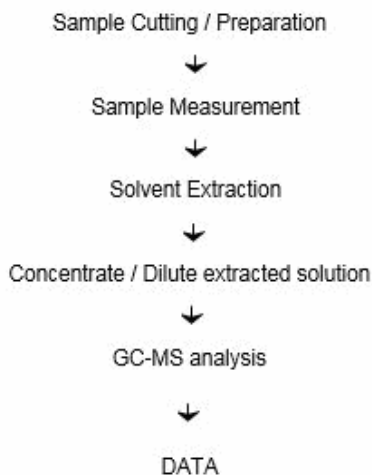
TEST REPORT:

No. CPSN/250557675-CB76837
Job Ref. C&P/2025-05-02-006

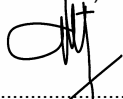
REPORTED DATE: 08-May-2025

DETERMINATION OF PHTHALATES WITH GC-MS

BY IEC 62321-8:2017



SIGNED FOR AND ON BEHALF OF
SGS (MALAYSIA) SDN BHD



NURUL NADIAH ARMYS
SENIOR CHEMIST
IKM NO. M/6708/8574/20/24



Test Report Form No.: SGS/TR/CP/039, Ver: 1.0, Effective Date: 21/07/2023

*** End of test report ***

Page 7 of 7

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 7 days (for perishable samples) or 30 days only from date of report.

SGS (Malaysia) Sdn Bhd.
(Company No. 10871-T)

No. 60, Jalan I-Park SAC 6, Taman Perindustrian I-Park SAC, 81400 Senai, Johor, Malaysia
t +6(07) 5354 007 www.sgs.com