



CERTIFICATE OF ANALYSIS

| | | | |
|--------------|---|-------------------------|---|
| Work Order | : KL2403120 | Page | : 1 of 3 |
| Client | : SES POLYMER EXTRUSION INDUSTRIES SDN BHD | Laboratory | : ALS Technichem (M) Sdn. Bhd. |
| Contact | : LIM KIM HING | Contact | : Sasi Devi |
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| Project | : ---- | QC Level | : ALS Malaysia Standard Quality Schedule |
| Order number | : ---- | Date Samples Received | : 29-Feb-2024 15:40 |
| C-O-C number | : ---- | Date Analysis Commenced | : 01-Mar-2024 |
| Sampler | : ---- | Issue Date | : 07-Mar-2024 16:42 |
| Site | : ---- | No. of samples received | : 1 |
| Quote number | : KL2023SESPOLY0001 | No. of samples analysed | : 1 |

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results



Signatories

This laboratory is accredited under STANDARDS MALAYSIA. The tests reported herein have been performed in accordance with laboratory's Terms of Accreditation. This document has been electronically signed by authorized signatories indicated below. Electronic signing has been carried out in compliance with procedure specified in 21 CFR Part 11.

Signatories

Position

ChM. Natasha Ain Binti Jamian

Senior Chemist (IKM No: L/2509/7481/16)

ChM. Nuramira Shareen Binti Abd Malek

Senior Chemist (IKM No: M/4867/8027/18)

*Please direct all technical queries to the laboratory (Reports.KL@alsglobal.com)

right solutions. right partner.



General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, ASTM, NIOSH and BS EN. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

^ = This result is computed from individual analyte detections at or above the level of reporting

∅ = ALS is not accredited for these tests.

~ = Indicates an estimated value.

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- Result < LOR = Not Detected (ND)
- This report shall not be reproduced except in full without the written approval of the laboratory.
- Where moisture determination has been performed, results are reported on a dry weight basis.



Analytical Results

Sub-Matrix: **SOLID**

Sample ID
 Sampling date/time

PVC FOAM BOARD
 29-Feb-2024

| Compound | Method | LOR | Unit | KL2403120-001 | ----- | ----- | ----- | ----- |
|---|-----------------|-----|----------------|---------------|-------|-------|-------|-------|
| Qualitative Analysis by GC-MS | | | | | | | | |
| Hexabromocyclododecane (HBCD) | In House GC-MS | 1 | Absent/Present | Absent | ---- | ---- | ---- | ---- |
| Aggregate Organics | | | | | | | | |
| Formaldehyde | CH17-33 | 1 | mg/kg | <1 | ---- | ---- | ---- | ---- |
| Inorganic and Nonmetallic Properties | | | | | | | | |
| Hexavalent Chromium | USEPA 7196A | 5.0 | mg/kg | <5.0 | ---- | ---- | ---- | ---- |
| Metals and Major Cations - Total | | | | | | | | |
| Cadmium | USEPA 6010B | 2.0 | mg/kg | <2.0 | ---- | ---- | ---- | ---- |
| Mercury | USEPA 7471A | 1.0 | mg/kg | <1.0 | ---- | ---- | ---- | ---- |
| Lead | USEPA 6010B | 5.0 | mg/kg | <5.0 | ---- | ---- | ---- | ---- |
| Polybrominated Biphenyls (PBBs) | | | | | | | | |
| Polybrominated Biphenyls (PBB) | USEPA8270C GCMS | 10 | ppm | <10 | ---- | ---- | ---- | ---- |
| Monobromobiphenyls | USEPA8270C GCMS | 1 | ppm | <1 | ---- | ---- | ---- | ---- |
| Dibromobiphenyls | USEPA8270C GCMS | 1 | ppm | <1 | ---- | ---- | ---- | ---- |
| Tribromobiphenyls | USEPA8270C GCMS | 1 | ppm | <1 | ---- | ---- | ---- | ---- |
| Tetrabromobiphenyls | USEPA8270C GCMS | 1 | ppm | <1 | ---- | ---- | ---- | ---- |
| Pentabromobiphenyls | USEPA8270C GCMS | 1 | ppm | <1 | ---- | ---- | ---- | ---- |
| Hexabromobiphenyls | USEPA8270C GCMS | 1 | ppm | <1 | ---- | ---- | ---- | ---- |
| Heptabromobiphenyls | USEPA8270C GCMS | 1 | ppm | <1 | ---- | ---- | ---- | ---- |
| Octabromobiphenyls | USEPA8270C GCMS | 1 | ppm | <1 | ---- | ---- | ---- | ---- |
| Nonabromobiphenyls | USEPA8270C GCMS | 1 | ppm | <1 | ---- | ---- | ---- | ---- |
| Decabromobiphenyl | USEPA8270C GCMS | 1 | ppm | <1 | ---- | ---- | ---- | ---- |