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# TEST REPORT

APPLICANT : LG Chem, Ltd.
ADDRESS : 55, Yeosusandan 2-ro,
Yeosu-si, Jeollanam-do, Korea



REPORT NO. RT24R-S8691-007-E-R DATE: Jan. 31, 2025

| | |
|---|---|
| SAMPLE DESCRIPTION | : The following submitted sample(s) said to be:- |
| NAME/TYPE OF PRODUCT | : LM915 |
| SAMPLE ID NO. | : RT24R-S8691-007 |
| ITEM NO. | : All Color |
| MANUFACTURER/VENDOR | : LG Chem, Ltd. |
| SAMPLE RECEIVED | : Dec. 23, 2024 |
| TESTING DATE | : Dec. 23, 2024 ~ Jan. 03, 2025 |
| TEST METHOD(S) | : Please see the following page(s). |
| TEST RESULT(S) | : Please see the following page(s). |

* Note 1 : The test results presented in this report refer only to the object tested.
* Note 2 : This report shall not be reproduced except in full without the written approval of the testing laboratory.
* Note 3 : The item no. is assigned by client and indicated according to their requirement and guarantee letter.

Approved by,

Nikkie Lee / Lab. Technical Manager

Authorized by,

Jade Jang / Lab. General Manager

Authenticity check

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# TEST REPORT



REPORT NO. RT24R-S8691-007-E-R DATE: Jan. 31, 2025

SAMPLE ID NO. : RT24R-S8691-007
SAMPLE DESCRIPTION : LM915

| TEST ITEM | UNIT | TEST METHOD | MDL | RESULT |
|---|---|---|---|---|
| Cadmium (Cd) | mg/kg | With reference to IEC 62321-5 Edition 1.0 : 2013, by acid digestion and determined by ICP-OES | 0.5 | N.D. |
| Lead (Pb) | mg/kg | | 5 | N.D. |
| Mercury (Hg) | mg/kg | With reference to IEC 62321-4 : 2013/AMD1 : 2017, by acid digestion and determined by ICP-OES | 2 | N.D. |
| Hexavalent Chromium ($Cr^{6+}$) | mg/kg | With reference to IEC 62321-7-2 Edition 1.0 : 2017, by alkaline/toluene digestion and determined by UV-VIS Spectrophotometer | 8 | N.D. |
| Polybrominated Biphenyl (PBBs) | | | | |
| Monobromobiphenyl | mg/kg | With reference to IEC 62321-6 Edition 1.0 : 2015, by solvent extraction and determined by GC/MS | 5 | N.D. |
| Dibromobiphenyl | mg/kg | | 5 | N.D. |
| Tribromobiphenyl | mg/kg | | 5 | N.D. |
| Tetrabromobiphenyl | mg/kg | | 5 | N.D. |
| Pentabromobiphenyl | mg/kg | | 5 | N.D. |
| Hexabromobiphenyl | mg/kg | | 5 | N.D. |
| Heptabromobiphenyl | mg/kg | | 5 | N.D. |
| Octabromobiphenyl | mg/kg | | 5 | N.D. |
| Nonabromobiphenyl | mg/kg | | 5 | N.D. |
| Decabromobiphenyl | mg/kg | | 5 | N.D. |
| Polybrominated Diphenyl Ether (PBDEs) | | | | |
| Monobromodiphenyl ether | mg/kg | With reference to IEC 62321-6 Edition 1.0 : 2015, by solvent extraction and determined by GC/MS | 5 | N.D. |
| Dibromodiphenyl ether | mg/kg | | 5 | N.D. |
| Tribromodiphenyl ether | mg/kg | | 5 | N.D. |
| Tetrabromodiphenyl ether | mg/kg | | 5 | N.D. |
| Pentabromodiphenyl ether | mg/kg | | 5 | N.D. |
| Hexabromodiphenyl ether | mg/kg | | 5 | N.D. |
| Heptabromodiphenyl ether | mg/kg | | 5 | N.D. |
| Octabromodiphenyl ether | mg/kg | | 5 | N.D. |
| Nonabromodiphenyl ether | mg/kg | | 5 | N.D. |
| Decabromodiphenyl ether | mg/kg | | 5 | N.D. |

Tested by : Jooyeon Lee, Chano Kim, Hayan Park

Notes : mg/kg = ppm = parts per million
< = Less than
N.D. = Not detected ( <MDL )
MDL = Method detection limit

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# TEST REPORT



REPORT NO. RT24R-S8691-007-E-R DATE: Jan. 31, 2025

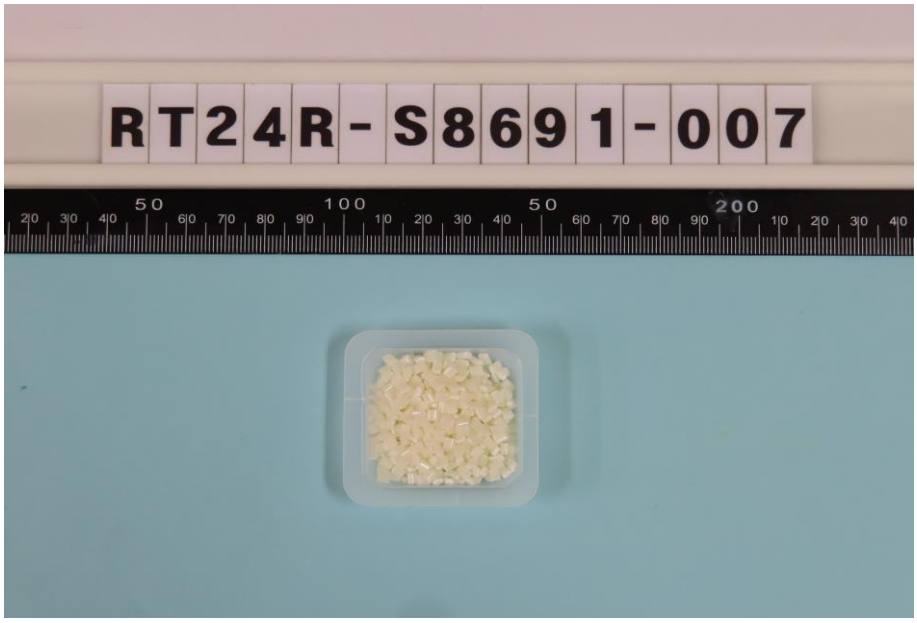
SAMPLE ID NO. : RT24R-S8691-007
SAMPLE DESCRIPTION : LM915

| TEST ITEM | CAS NO. | UNIT | TEST METHOD | MDL | RESULT |
|---|---|---|---|---|---|
| Dibutyl phthalate (DBP) | 84-74-2 | mg/kg | With reference to IEC 62321-8 Edition 1.0 : 2017, by solvent extraction and determined by GC/MS | 50 | N.D. |
| Di(2-ethylhexyl) phthalate (DEHP) | 117-81-7 | mg/kg | | 50 | N.D. |
| Benzyl butyl phthalate (BBP) | 85-68-7 | mg/kg | | 50 | N.D. |
| Diisobutyl phthalate (DIBP) | 84-69-5 | mg/kg | | 50 | N.D. |

Tested by : Hayan Park

Notes : mg/kg = ppm = parts per million
< = Less than
N.D. = Not detected ( <MDL )
MDL = Method detection limit

* View of sample as received;-

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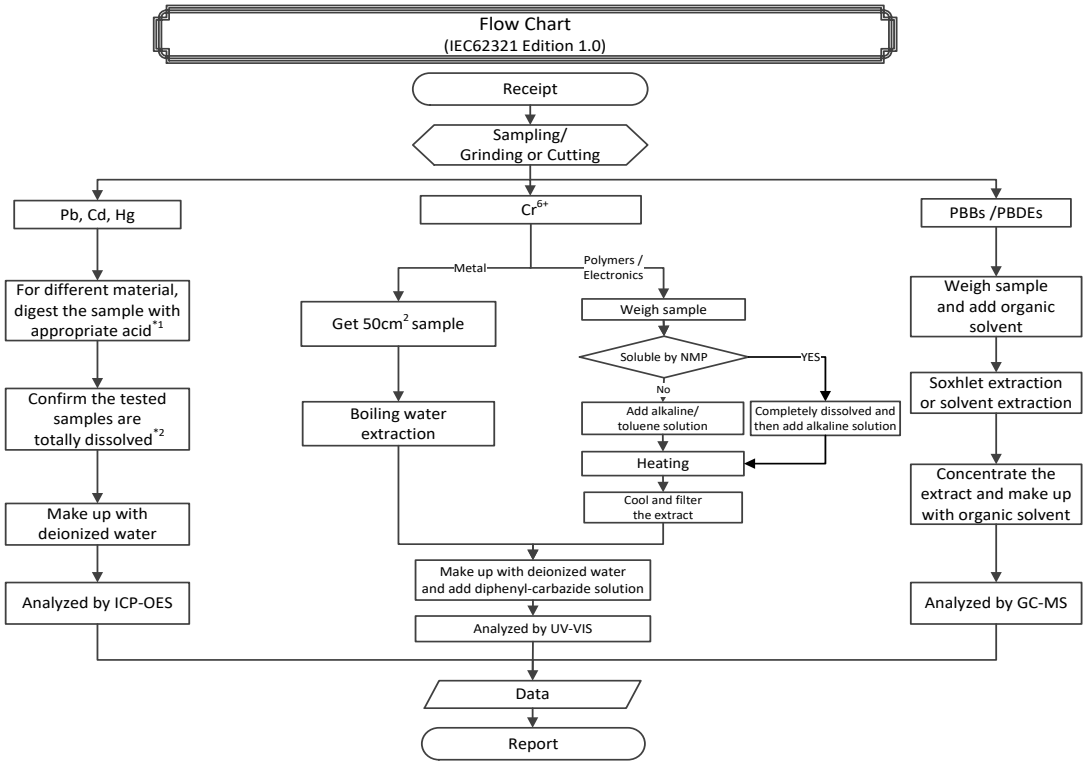
# TEST REPORT



REPORT NO. RT24R-S8691-007-E-R DATE: Jan. 31, 2025

SAMPLE ID NO. : RT24R-S8691-007
SAMPLE DESCRIPTION : LM915




Remarks :
*1 : List of appropriate acid :

| Material | Acid added for digestion |
|---|---|
| Polymers | $HNO_3$, HCl, HF, $H_2O_2$, $H3BO_3$ |
| Metals | $HNO_3$, HCl, HF |
| Electronics | $HNO_3$, HCl, $H_2O_2$, $HBF_4$ |

*2 : The samples were dissolved totally by pre-conditioning method according to above flow chart.

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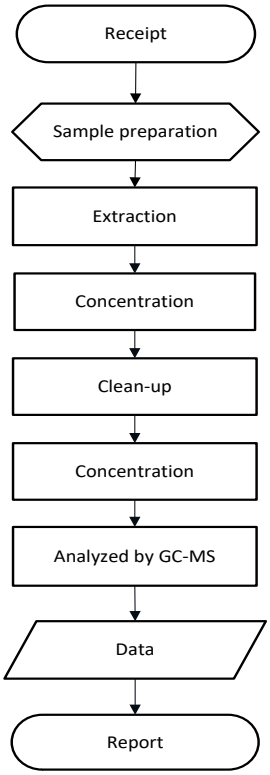
REPORT NO. RT24R-S8691-007-E-R DATE: Jan. 31, 2025

SAMPLE ID NO. : RT24R-S8691-007
SAMPLE DESCRIPTION : LM915

## Flow Chart (Phthalates)




***** End of Report *****



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