## MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 103328-2011-AE-KOR-RvA Initial certification date: 17 October 2011

Valid: 28 July 2016 - 28 July 2019

This is to certify that the management system of

### Lotte Advanced Materials Co., Ltd. Yeosu Plant

334-27, Yeosusandan-ro, Yeosu-si, Jeollanam-do, Korea and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Energy Management System standard:

ISO 50001:2011

This certificate is valid for the following scope:

Design & Development, Production and Servicing of ABS(Acrylonitrile Butadiene Styrene), ASA(Acrylate Styrene Acrylonitrile), PS(Poly Styrene), SAN(Styrene Acrylonitrile), EPS(Expandable Poly Styrene), LD(Light Diffuser), EP(Engineering Plastics), SS(Solid Surface), S&B(Sink & Bowl), PC(Poly Carbonate) and Engineered Stone(Quartz Surface).

Place and date: Barendrecht, 7 July 2016



For the issuing office:

DNV GL – Business Assurance Zwolseweg 1, 2994 LB, Barendrecht, Nethyrlands

D.P. Koek Management Representat Certificate No: 103328-2011-AE-KOR-RvA Place and date: Barendrecht, 7 July 2016

#### **Appendix to Certificate**

#### Lotte Advanced Materials Co., Ltd. Yeosu Plant

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
Lotte Advanced Materials Co., Ltd. Yeosu Plant	334-27, Yeosusandan-ro, Yeosu-si, Jeollanam-do, Korea	Design & Development, Production and Servicing of ABS(Acrylonitrile Butadiene Styrene), ASA(Acrylate Styrene Acrylonitrile), PS(Poly Styrene), SAN(Styrene Acrylonitrile), EPS(Expandable Poly Styrene), LD(Light Diffuser), EP(Engineering Plastics), SS(Solid Surface), S&B(Sink & Bowl), PC(Poly Carbonate) and Engineered Stone(Quartz Surface).
Lotte Advanced Materials Co., Ltd. Uiwang R&D Center	56, Gosan-ro, Uiwang-si, Gyeonggi-do, Korea	Design & Development and Servicing of Styrene Resin (ABS, ABS Alloy, ASA, EPS), Engineering Plastics (PC, PC Alloy, PBT, mPPE, PA, PPA, PPS, PCT), Acrylic solid surface, Engineered Stone(Natural quartz).

# MANAGEMENT SYSTEM CERTIFICATE

Site certificate No.: 103328CC1-2011-AE-KOR-RVA

Initial certification date: 17 October 2011

Valid: 28 July 2016 - 28 July 2019

Belongs to Central Office Certificate No: 103328-2011-AE-KOR-RvA

This is to certify that the management system of

#### Samsung SDI Co., Ltd. Uiwang R&D Center

56, Gosan-ro, Uiwang-si, Gyeonggi-do, Korea

has been found to conform to the Energy Management System standard:

ISO 50001:2011

This certificate is valid for the following scope:

Design & Development and Servicing of Styrene Resin (ABS, ABS Alloy, ASA, EPS), Engineering Plastics (PC, PC Alloy, PBT, mPPE, PA, PPA, PPS, PCT), Acrylic solid surface, Engineered Stone(Natural quartz).

Place and date: Barendrecht, 07 July 2016



For the issuing office:

DNV GL - Business Assurance

Zwolseweg 1, 299 LB, Barendrecht,

senta Mol

D.P. Koek Management Rep

Netharlands

## MANAGEMENT SYSTEM CERTIFICATE

Site certificate No.: 103328CC2-2011-AE-KOR-RvA

Initial certification date: 17 October 2011

Valid: 28 July 2016 - 28 July 2019

Belongs to Central Office Certificate No: 103328-2011-AE-KOR-RvA

This is to certify that the management system of

### Lotte Advanced Materials Co., Ltd. Yeosu Plant

334-27, Yeosusandan-ro, Yeosu-si, Jeollanam-do, Korea

has been found to conform to the Energy Management System standard:

ISO 50001:2011

This certificate is valid for the following scope:

Design & Development, Production and Servicing of ABS(Acrylonitrile Butadiene Styrene), ASA(Acrylate Styrene Acrylonitrile), PS(Poly Styrene), SAN(Styrene Acrylonitrile), EPS(Expandable Poly Styrene), LD(Light Diffuser), EP(Engineering Plastics), SS(Solid Surface), S&B(Sink & Bowl), PC(Poly Carbonate) and Engineered Stone(Quartz Surface).

Place and date: Barendrecht, 07 July 2016



For the issuing office:

DNV GL - Susines Assurance

Zwolse weg 1, 2994 AB, Barendrecht,

Netherlands

D.P. Koek Managament Repropentative