CERTIFICATE

ENERGY MANAGEMENT SYSTEM



 Registration Date
 2018-07-19

 Expiration Date
 2019-07-28

 Initial Registration Date
 2018-07-19

 Revision Date
 2018-07-19

 Certificate Number
 EN-06879

LOTTE ADVANCED MATERIALS CO., LTD.

· Yeosu Plant : 334-27, Yeosusandan-ro, Yeosu-si, Jeollanam-do, Korea (Zip code : 59616)

· Head Office : 56, Gosan-ro, Uiwang-si, Gyeonggi-do, Korea (Zip code : 16073)

Standard

Korean Foundation for Quality certifies that The Energy Management System of the above organization has been audited and has complied with the requirements of the following standard

KS A ISO 50001: 2011 / ISO 50001: 2011

Scope certification

- Yeosu Plant: 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)
- Head Office: Design & Development and Servicing of Styrene Resin (ABS, ABS Alloy, ASA, EPS), Engineering Plastics (PC, PCAlloy, PBT, mPPE, PA, PPA, PPS, PCT), Acrylic solid surface, Engineered Stone(Natural quartz)





The use of Accreditation Mark indicates Accreditation in respect of those activities covered by the KAB(Accreditation Certificate Number KAB-EN-02)

Daelym Nam Dae Hyeoun Nam President & CEO of KFQ

www.kfq.or.kr

13F, Woolim Lion's Valley Bldg. B, 168, Gasan digital 1-ro, Geumcheon-gu, Seoul, 153-786, Korea



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

KFQ has issued an IQNet recognized certificate that the organization:

LOTTE ADVANCED MATERIALS CO., LTD.

- · Yeosu Plant: 334-27, Yeosusandan-ro, Yeosu-si, Jeollanam-do, Korea (Zip code: 59616)
- · Head Office: 56, Gosan-ro, Uiwang-si, Gyeonggi-do, Korea (Zip code: 16073)

for the following scope

- Yeosu Plant: 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)
- Head Office: Design & Development and Servicing of Styrene Resin (ABS, ABS Alloy, ASA, EPS),
 Engineering Plastics (PC, PCAlloy, PBT, mPPE, PA, PPS, PCT), Acrylic solid surface,
 Engineered Stone(Natural quartz)

has implemented and maintains a

Energy Management System

which fulfils the requirements of the following standard

ISO 50001:2011

Issued on: 2018-07-19

First Issued on: 2018-07-19

For the validity date, please refer to the original certificate* issued by KFQ

Registration Number: KR - 06879

−<mark>I⊜Net</mark>−

Alex Stoichitoiu President of IQNet Daehjun Nam

U Dae Hyeoun Nam President & CEO of KFQ

IQNet Partners*:

AENOR Spain AFNOR Certification France APCER Portugal CCC Cyprus CISQ Italy
CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany FCAV Brazil
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IRAM Argentina JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland
NYCE-SIGE México PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia
SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

^{*} The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com