

# MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:  
20778-2008-AE-KOR-RvA

Initial certification date:  
25 March 2005

Valid:  
26 March 2023 – 25 March 2026

This is to certify that the management system of

## **Kumho Petrochemical Co., Ltd.**

13F, East Wing, Signature Tower, 100, Cheonggyecheon-ro, Jung-gu, Seoul, 04542, Republic of Korea

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Environmental Management System standard:  
**ISO 14001:2015**

This certificate is valid for the following scope:

**Design, Development and Manufacture of Synthetic Rubbers(SBR[Styrene Butadiene Rubber], NBR[acrylonitrile Butadiene Rubber], HSR[High Styrene Resin masterbatch], HBR[High-cis Butadiene Rubber], SSBR[Solution polymerized Styrene Butadiene Rubber], LBR[Low-cis Polybutadiene Rubber], SBS[Styrene Butadiene Styrene], NdBR[Ultra High-cis Polybutadiene Rubber]), SB-Latex(Styrene Butadiene Latex), NB-Latex(acrylonitrile Butadiene Latex), PS(Polystyrene), SAN(Styrene Acrylonitrile), EPS(Expandable Polystyrene), ABS(Acrylonitrile Butadiene Styrene), PPG(Polypropylene Glycol) and Engineering Plastics, Specialty Chemicals(Antioxidant, Accelerator, Additive). Manufacture of BD(Butadiene). Operation of Energy Plant. Provision, overseeing, maintenance and control of integrated Environment and OH&S management system at subsidiaries of Kumho Petrochemical.**

Place and date:  
Barendrecht, 28 November 2022

For the issuing office:  
DNV - Business Assurance  
Zwolsseweg 1, 2994 LB Barendrecht,  
Netherlands



**Erie Koek**  
Management Representative

## Appendix to Certificate

### Kumho Petrochemical Co., Ltd.

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
Kumho Petrochemical Co., Ltd. Seoul Head Office	13F, East Wing, Signature Tower, 100, Cheonggyecheon-ro, Jung-gu, Seoul, 04542, Republic of Korea	Provision, overseeing, maintenance and control of integrated Environment and OH&S management system at subsidiaries of Kumho Petrochemical.
Kumho Petrochemical Co., Ltd. Yeosu Energy	223-84, Yeosusandan-2-ro, Yeosu-si, Jeollanam-do, 59611, Republic of Korea	Operation of Energy Plant.
Kumho Petrochemical Co., Ltd. Daejeon R&D Center	1557, Yuseong-daero, Yuseong-gu, Daejeon, 34044, Republic of Korea	Design and Development of Synthetic Rubbers(SBR[Styrene Butadiene Rubber], NBR[acrylonitrile Butadiene Rubber], HSR[High Styrene Resin masterbatch], HBR[High-cis Butadiene Rubber], SSBR[Solution polymerized Styrene Butadiene Rubber], LBR[Low-cis Polybutadiene Rubber], SBS[Styrene Butadiene Styrene], NdBR[Ultra High-cis Polybutadiene Rubber]), SB-Latex(Styrene Butadiene Latex), NB-Latex(acrylonitrile Butadiene Latex), PS(Polystyrene), SAN(Styrene Acrylonitrile), EPS(Expandable Polystyrene), ABS(Acrylonitrile Butadiene Styrene), PPG(Polypropylene Glycol) and Engineering Plastics, Specialty Chemicals(Antioxidant, Accelerator, Additive).
Kumho Petrochemical Co., Ltd. Yeosu Specialty Chemicals Plant	227, Yeosusandan 2-ro, Yeosu-si, Jeollanam-do, 59611, Republic of Korea	Manufacture of Specialty Chemicals (Antioxidant, Accelerator, Additive).
Kumho Petrochemical Co., Ltd. Yeosu Synthetic Rubber Plant II	331, Sandanjungang-ro, Yeosu-si, Jeollanam-do, 59610, Republic of Korea	Manufacture of Synthetic Rubbers(HBR[High-cis Butadiene Rubber], SSBR[Solution polymerized Styrene Butadiene Rubber], SBS[Solution polymerized Styrene Butadiene Rubber]).
Kumho Petrochemical Co., Ltd. Ulsan Synthetic Resins Plant	260-257, Cheoyong-ro, Nam-gu, Ulsan, 44785, Republic of Korea	Manufacture of PS(Polystyrene), SAN(Styrene Acrylonitrile), EPS(Expandable Polystyrene), ABS(Acrylonitrile Butadiene Styrene), PPG(Polypropylene Glycol), and Engineering Plastics.
Kumho Petrochemical Co., Ltd. Ulsan Synthetic Rubbers Plant	64, Sanggae-ro, Nam-gu, Ulsan, 44786, Republic of Korea	Manufacture of Synthetic Rubbers(SBR[Styrene Butadiene Rubber], NBR[acrylonitrile Butadiene Rubber], HSR[High Styrene Resin masterbatch]), SB-Latex(Styrene Butadiene Latex), and NB-Latex(acrylonitrile Butadiene Latex). Manufacture of BD(Butadiene).

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Site Name	Site Address	Site Scope
Kumho Petrochemical Co., Ltd. Yeosu Synthetic Rubber Plant I	118, Yeosusandan 3-ro, Yeosu-si, Jeollanam-do, 59612, Republic of Korea	Manufacture of Synthetic Rubbers(HBR[High-cis Butadiene Rubber], SSBR[Solution polymerized Styrene Butadiene Rubber], LBR[Low-cis Polybutadiene Rubber], SBS[Styrene Butadiene Styrene], NDBR[Ultra High-cis Polybutadiene Rubber]). Manufacture of BD(Butadiene).

