

MANAGEMENT SYSTEM CERTIFICATE

Certificate No:
0605-1997-AE-RGC-UKAS

Initial certification date:
15, March, 1997

Valid:
15, March, 2018 - 15, March, 2021

This is to certify that the management system of

Dairen Chemical Corporation

9F, No. 301, Song-Kiang Road, Taipei 104, Taiwan
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 and Manufacture of Vinyl Acetate Monomer(VAM), Acetaldehyde, Allyl Alcohol(AAL), Liquefied Carbon Dioxide(L-CO2), Nitrogen(N2), Vinyl Acetate-Ethylene Copolymer Emulsion(VAE), Vinyl Acetate-Ethylene Copolymer Redispersible Powder(VAEP), Ethylene-Vinyl Acetate-Vinyl Chloride Emulsion (EVAVC), Ethylene-Vinyl Chloride Copolymer Emulsion (EVCL), 1,4-Butanediol(1,4-BDO), 2-Methyl-1,3-Propanediol(MPO), Alkoxylated 2-Methyl-1,3-Propanediol(AMPO), n-Propanol (NPA), iso-Butanol(IBA), Tetrahydrofuran(THF), Polytetramethylene Ether Glycol(PTG), Recycled Sulfuric Acid and γ -Butyrolactone(GBL)

Place and date:
Shanghai, 16, March, 2018



For the issuing office:
DNV GL – Business Assurance
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Zhu Hai Ming
Management Representative

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Appendix to Certificate

Dairen Chemical Corporation

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
Dairen Chemical (Jiangsu) Co., Ltd.	No. 1, Dalian Road, Yangzhou Chemical Industry Park, Yangzhou 211900, Jiangsu, P.R. China	Manufacture of Vinyl Acetate-Ethylene Copolymer Emulsion(VAE), Vinyl Acetate-Ethylene Copolymer Redispersible Powder(VAEP), 1,4-Butanediol(1,4-BDO), 2-Methyl-1,3-Propanediol(MPO), n-Propanol(NPA), iso-Butanol(IBA), Tetrahydrofuran(THF), Polytetramethylene Ether Glycol(PTG), Allyl Alcohol(AAL) and Nitrogen(N ₂)
Dairen Chemical (M) Sdn Bhd	PLO 18, Jalan Nibong 1, Tanjung Langsat Industrial Estate, Johor, Malaysia	Design and Manufacture of Vinyl Acetate-Ethylene Copolymer Emulsion (VAE), Ethylene-Vinyl Acetate-Vinyl Chloride Emulsion (EVAVC) and Ethylene-Vinyl Chloride Copolymer Emulsion(EVCL)
Dairen Chemical Corporation	9F, No. 301, Song-Kiang Road, Taipei 104, Taiwan	Sales of Vinyl Acetate Monomer(VAM), Acetaldehyde, Allyl Alcohol(AAL), Liquefied Carbon Dioxide(L-CO ₂), Nitrogen(N ₂), Vinyl Acetate-Ethylene Copolymer Emulsion(VAE), Vinyl Acetate-Ethylene Copolymer Redispersible Powder(VAEP), Ethylene-Vinyl Acetate-Vinyl Chloride Emulsion (EVAVC), Ethylene-Vinyl Chloride Copolymer Emulsion (EVCL), 1,4-Butanediol(1,4-BDO), 2-Methyl-1,3-Propanediol(MPO), Alkoxylated 2-Methyl-1,3-Propanediol(AMPO), n-Propanol (NPA), iso-Butanol(IBA), Tetrahydrofuran(THF), Polytetramethylene Ether Glycol(PTG), Recycled Sulfuric Acid and γ -Butyrolactone(GBL)
Dairen Chemical Corporation, Da-Fa Factory	No. 8-1, Hua-Shi Road, Da-Fa Industrial District, Kaohsiung 813, Taiwan	Design and Manufacture of 1,4-Butanediol(1,4-BDO), 2-Methyl-1,3-Propanediol(MPO), Alkoxylated 2-Methyl-1,3-Propanediol(AMPO), n-Propanol (NPA), iso-Butanol(IBA), Tetrahydrofuran(THF), Polytetramethylene Ether Glycol(PTG), Recycled Sulfuric Acid, γ -Butyrolactone(GBL) and Allyl Alcohol(AAL) and Nitrogen(N ₂)

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Dairen Chemical Corporation, Kaohsiung Factory	No. 1-3, Hsiung-Kung Road, Ta-She Industrial Zone, Kaohsiung 815, Taiwan	Design and Manufacture of Vinyl Acetate Monomer(VAM), Allyl Alcohol(AAL), Vinyl Acetate-Ethylene Copolymer Emulsion(VAE), Vinyl Acetate-Ethylene Copolymer Redispersible Powder(VAEP), Liquefied Carbon Dioxide(L-CO2) and Nitrogen(N2)
Dairen Chemical Corporation, Mai-Liao Factory	No. 25, Formosa Industrial Park, Mailiao, Yunlin 638, Taiwan	Manufacture of Vinyl Acetate Monomer (VAM), Acetaldehyde, Allyl Alcohol (AAL), 1,4-Butanediol (1,4-BDO), Polytetramethylene Ether Glycol (PTG), n-Propanol(NPA), iso-Butanol (IBA), 2-Methyl-1,3-Propanediol (MPO), Tetrahydrofuran(THF), Recycled Sulfuric Acid and Liquefied Carbon Dioxide(L-CO2)