

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
00003-2020-AN-TWN-TAF

Initial certification date:
2020-06-18

Valid:
2023-06-18 – 2026-06-17

This is to certify that the management system of
Dairen Chemical Corporation
18F., No. 223, Songjiang Rd., Zhongshan Dist., Taipei 104, Taiwan
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Energy Management System standard:
ISO 50001:2018

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), n-Propanol (NPA), iso-Butanol(IBA), Tetrahydrofuran(THF), Polytetramethylene Ether Glycol(PTG), Recycled Sulfuric Acid and γ-Butyrolactone(GBL)

Place and date:
Taipei, 2023-04-20



For the issuing office:
DNV - Business Assurance
29Fl., No. 293, Sec. 2, Wenhua Rd., Banqiao
District, New Taipei City 220, Taiwan



Joseph Chu
Management Representative

Appendix to Certificate

Dairen Chemical Corporation

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
Dairen Chemical Corporation	18F., No. 223, Songjiang Rd., Zhongshan Dist., Taipei 104, Taiwan	Sales 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), 1,4-Butanediol(1,4-BDO), 2-Methyl-1,3-Propanediol(MPO), n-Propanol(NPA), iso-Butanol(IBA), Tetrahydrofuran(THF), Polytetramethylene Ether Glycol(PTG), Recycled Sulfuric Acid and γ -Butyrolactone(GBL)
Dairen Chemical Corporation, Kaohsiung Factory	No. 1-3 Xinggond Rd., Dashe District 81567, Kaohsiung, 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, Da-Fa Factory	No. 8-1, Huaxi Road, Da-Fa Industrial District, Kaohsiung 831, Taiwan	Design and Manufacture of 1,4-Butanediol(1,4-BDO), 2-Methyl-1,3-Propanediol(MPO), n-Propanol(NPA), iso-Butanol(IBA), Tetrahydrofuran(THF), Polytetramethylene Ether Glycol(PTG), Recycled Sulfuric Acid, γ -Butyrolactone(GBL), Allyl Alcohol(AAL) and Nitrogen(N2)
Dairen Chemical (Jiangsu) Co., Ltd.	No. 1, Dalian Road, Yangzhou Chemical Industry Park, Yangzhou, Jiangsu, P.R. China 211900, Unicode: 91321000743746057X	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), Allyl Alcohol(AAL) and Nitrogen(N2)
Dairen Chemical (M) Sdn. Bhd.	PLO 18, Jalan Nibong 1, Tanjung Langsat Industrial Estate, 81700 Pasir Gudang, 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, Mai-Liao Factory	No. 25 Formosa Industrial Park, Mailiao Township 63801, Yunlin, 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)