MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 38698-2008-AQ-KOR-RVA

Initial certification date: 30 September, 1999

30 September, 2017 - 30 September, 2020

This is to certify that the management system of

YONGSAN CHEMICALS, INC. YONGSAN MITSUI CHEMICALS, INC.

32, Sapyeong-ro, Nam-gu, Ulsan, Korea and the sites as mentioned in the appendix accompanying this certificate

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

ISO 9001:2015, KS Q ISO 9001:2015

This certificate is valid for the following scope:

YONGSAN CHEMICALS, INC.:

Manufacture of Maleic Anhydride, Fumaric Acid, Tetrahydrophthalic Anhydride, DL-Malic Acid, DAQ(Dimethylaminoethyl Acrylate Methyl Chloride Quaternary Salt)

YONGSAN MITSUI CHEMICALS, INC.:

Manufacture of Acrylamide and POLYMETAC(Product of Metal Treatment & Resin Integration)

Place and date: Seoul 13 September, 2017



The RvA is a signatory to the IAF MLA

For the issuing office:

DNV GL - Business Assurance

18F, Kyobo Bldg., 1, Jong-ro, Jongno-gu,
Seoul, Korea

In-Kyoon Ahn Management Representative



Certificate No: 38698-2008-AQ-KOR-RvA Place and date: Seoul 13 September, 2017

Appendix to Certificate

YONGSAN CHEMICALS, INC. YONGSAN MITSUI CHEMICALS, INC.

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
YONGSAN CHEMICALS, INC. YONGSAN MITSUI CHEMICALS, INC. Ulsan Plant	32, Sapyeong-ro, Nam-gu, Ulsan, Korea	YONGSAN CHEMICALS,INC.: Manufacture of Maleic Anhydride, Fumaric Acid, Tetrahydrophthalic Anhydride, DL-Malic Acid, DAQ(Dimethylaminoethyl Acrylate Methyl Chloride Quaternary Salt)
		YONGSAN MITSUI CHEMICALS, INC. : Manufacture of Acrylamide and POLYMETAC(Product of Metal Treatment & Resin Integration)
YONGSAN CHEMICALS, INC. YONGSAN MITSUI CHEMICALS, INC. Seoul Head Office	10th FL., Yongsan Bldg., 273, Hangang-daero, Yongsan-gu, Seoul, Korea	YONGSAN CHEMICALS,INC.: Planning and Sales for the Production of Maleic Anhydride, Fumaric Acid, Tetrahydrophthalic Anhydride, DL-Malic Acid, DAQ(Dimethylaminoethyl Acrylate Methyl Chloride Quaternary Salt)
		YONGSAN MITSUI CHEMICALS, INC.: Planning and Sales for the Production of Acrylamide and POLYMEIAC(Product of Metal Surface Treatment & Resin Integration)