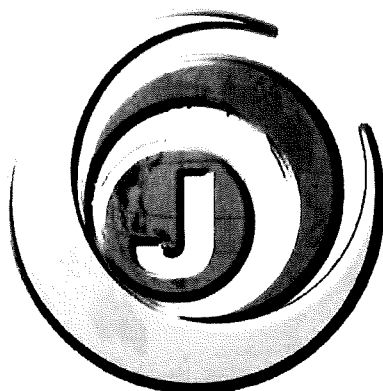


CERTIFICATE OF CONFORMITY



Certificate No. :	J C Q A - 0 0 6 0	Registration Date :	1995. 7. 17
Renewal Date :	2019. 7. 17	Expiry Date :	2022. 7. 16

Name of Registrered Organization: **Showa Denko K.K. Kawasaki Plant/Higashinagahara Plant**
Kawasaki Plant et al.

Address of Registered Organization: **5-1, Ogimachi, Kawasaki-ku, Kawasaki-shi, Kanagawa, 210-0867, Japan**
111, Nagayaji, Higashinagahara, Kawahigashi-machi, Aizuwakamatsu-shi, Fukushima, 969-3431, Japan et al.

JAPAN CHEMICAL QUALITY ASSURANCE LTD. Certifies that the Quality Management System of the above organization specified in the appendix, has been assessed and verified to be in accordance with the requirements of the quality management system standards as shown below:

Quality Management System Standards: **JIS Q 9001 : 2015**
(ISO 9001 : 2015)

The Date of Issue: **2019. 7. 1**

JAPAN CHEMICAL QUALITY ASSURANCE LTD. (JCQA)
Nittochi-Uchisaiwaicho BLDG. 7F, 1-2-1, Uchisaiwaicho,
Chiyoda-ku, Tokyo, 100-0011, JAPAN



T. Tamada

Tadanori Tamada

PRESIDENT REPRESENTATIVE DIRECTOR

APPENDIX TO CERTIFICATE OF CONFORMITY

1/3

Certificate No. :	J C Q A - 0 0 6 0	Registration Date :	1 9 9 5 . 7 . 1 7
Renewal Date :	2 0 1 9 . 7 . 1 7	Expiry Date :	2 0 2 2 . 7 . 1 6
Extention Date :	2 0 1 9 . 7 . 1		

Name of Registered Organization: **Showa Denko K.K. Kawasaki Plant/Higashinagahara Plant**

Scope of Activity:

- (1)The Design, Development, Manufacturing and Sales of Specialty Polymers, Specialty Chemicals, Raw Materials for Specialty Polymers, Raw Materials for Specialty Cosmetics, Specialty Gas Scrubbers and Analytical Instruments
- (2)The Manufacture and Sales of Basic Organic Chemicals, Basic Inorganic Chemicals, Raw Materials for Quasi-drugs, Raw Materials for Cosmetics, Semiconductor-related Gases, Raw Materials for Synthetic Resins, Chelating Agents, Ammonia, Derivatives of Ammonia, Chlorine, Derivatives of Chlorine, Industrial Gases, Amino Acids, Food Additives, Feed Additives, Raw Materials for Agriculture Chemicals, Raw Materials for Medicines, and Semiconductor-related Washing Agents
- (3)The Processing Services and Sales of Specialty Coating
- (4)The Toll Manufacture of Vapor-grown Carbon Fiber, Bonding Materials and Charge Dissipating Agents

Address of Registered Organization & Scope of Activity:

Kawasaki Plant :

5-1, Ogimachi, Kawasaki-ku, Kawasaki-shi, Kanagawa, 210-0867, Japan

- (1)The Design, Development and Manufacturing of Specialty Polymers
- (2)The Manufacture of Specialty Gas Scrubbers and Analytical Instruments, Basic Inorganic Chemicals, Semiconductor-related Gases, Ammonia, Derivatives of Ammonia, Chlorine, Derivatives of Chlorine, Industrial Gases, and Food Additives
- (3)The Processing Services of Specialty Coating

Kawasaki Plant(Chidori) :

2-3, Chidori-cho, Kawasaki-ku, Kawasaki-shi, Kanagawa, 210-0865, Japan

- (1)The Design, Development and Manufacturing of Specialty Chemicals, Raw Materials for Specialty Cosmetics
- (2)The Manufacture of Basic Organic Chemicals, Basic Inorganic Chemicals, Raw Materials for Quasi-drugs, Raw Materials for Cosmetics, Raw Materials for Synthetic Resins, Chelating Agents, Amino Acids, Food Additives, Feed Additives, Raw Materials for Medicines

The Date of Issue: 2019.7.1

JAPAN CHEMICAL QUALITY ASSURANCE LTD. (JCQA)
Nittochi-Uchisaiwaicho BLDG. 7F, 1-2-1, Uchisaiwaicho,
Chiyoda-ku, Tokyo, 100-0011, JAPAN



T. Tamada

Tadanori Tamada

PRESIDENT REPRESENTATIVE DIRECTOR

APPENDIX TO CERTIFICATE OF CONFORMITY

2/3

Certificate No. :	J C Q A - 0 0 6 0	Registration Date :	1 9 9 5 . 7 . 1 7
Renewal Date :	2 0 1 9 . 7 . 1 7	Expiry Date :	2 0 2 2 . 7 . 1 6
Extention Date :	2 0 1 9 . 7 . 1		

Kawasaki Plant(Okawa) :

5-1, Okawa-cho, Kawasaki-ku, Kawasaki-shi, Kanagawa, 210-0858, Japan

- (1)The Design, Development and Manufacturing of Specialty Polymers
- (2)The Manufacture of Raw Materials for Synthetic Resins
- (3)The Toll Manufacture of Vapor-grown Carbon Fiber

Higashinagahara Plant :

111, Nagayaji, Higashinagahara, Kawahigashi-machi, Aizuwakamatsu-shi, Fukushima, 969-3431, Japan

- (1)The Design, Development and Manufacturing of Raw Materials for Specialty Polymers
- (2)The Manufacture of Basic Organic Chemicals, Semiconductor-related Gases, Raw Materials for Synthetic Resins, Raw Materials for Agriculture Chemicals, Raw Materials for Medicines and Semiconductor-related Washing Agents
- (3)The Toll Manufacture of Bonding Materials and Charge Dissipating Agents

Industrial Gases Division :

1310, Omiya-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, 212-0014, Japan

- (1)The Sales of Industrial Gases

Basic Chemicals Division :

1310, Omiya-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, 212-0014, Japan

- (1)The Sales of Specialty Polymers, Basic Organic Chemicals, Basic Inorganic Chemicals, Raw Materials for Synthetic Resins, Chelating Agents, Ammonia, Derivatives of Ammonia, Chlorine, Derivatives of Chlorine, Amino Acids, Food Additives and Feed Additives

Electronic Chemicals Division :

1310, Omiya-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, 212-0014, Japan

- (1)The Design, Development, Manufacturing and Sales of Specialty Gas Scrubbers
- (2)The Sales of Semiconductor-related Gases, Medical Gases and Specialty Coating

Functional Chemicals Division Specialty Chemicals Department :

1-13-9, Shibadai-mon, Minato-ku, Tokyo, 105-8518, Japan

- (1)The Sales of Specialty Polymers, Raw Materials for Specialty Polymers, Raw Materials for Specialty Cosmetics, Analytical Instruments, Basic Organic Chemicals, Raw Materials for Quasi-drugs, Raw Materials for Cosmetics, Raw Materials for Synthetic Resins, Food Additives, Raw Materials for Agriculture Chemicals, Raw Materials for Medicines and Semiconductor-related Washing Agents

The Date of Issue: 2019. 7. 1

JAPAN CHEMICAL QUALITY ASSURANCE LTD.(JCQA)
Nittochi-Uchisaiwaicho BLDG. 7F. 1-2-1, Uchisaiwaicho,
Chiyoda-ku, Tokyo, 100-0011, JAPAN



T. Tamada

Tadanori Tamada

PRESIDENT REPRESENTATIVE DIRECTOR

APPENDIX TO CERTIFICATE OF CONFORMITY

3/3

Certificate No. :	J C Q A - 0 0 6 0	Registration Date :	1 9 9 5 . 7 . 1 7
Renewal Date :	2 0 1 9 . 7 . 1 7	Expiry Date :	2 0 2 2 . 7 . 1 6
Extention Date :	2 0 1 9 . 7 . 1		

Institute for Integrated Product Development Kawasaki Unit :

5-1, Ogimachi, Kawasaki-ku, Kawasaki-shi, Kanagawa, 210-0867, Japan

(1)The Design and Development of Analytical Instruments

Associated Company :
Taiwan Showa Chemicals Manufacturing Co., Ltd. :

No. 3 Gong Huan Road, Tainan-city, Taiwan, R.O.C.

(1)The Manufacture of Semiconductor-related Gases

Taiwan Showa Chemicals Manufacturing Co., Ltd. :

No. 12 Gong Huan Road, Tainan-city, Taiwan, R.O.C.

(1)The Manufacture of Semiconductor-related Washing Agents

Taiwan Showa Chemicals Manufacturing Co., Ltd. (Kaohsiung Plant) :

No.45-1, Zhongheng St., Xiaogang Dist., Kaohsiung City, Taiwan, R.O.C.

Korea Showa Chemical Co. Angseong Gas Center (Miyang Site) :

5-28, Chamnamu-gil, Miyang-myeon, Anseong-si, Gyeonggi-do, Korea

Korea Showa Chemical Co. Angseong Gas Center (Yangseong Site) :

409-14 Yangseong-ro, Yangseong-myeon, Anseong-si, Gyeonggi-do, Korea

(1)The Manufacture of Semiconductor-related Gases

Shanghai Showa Electronics Materials Co., Ltd. :

No.28, Beiyinghe Road, Shanghai Chemical Industry Park, Fengxian District, Shanghai, China

(1)The Design, Development, Manufacturing and Sales of Specialty Gas Scrubbers

(2)The Manufacture of Semiconductor-related Gases

Shanghai Showa Electronics Materials Co., Ltd. Service Center :

No.2843 Chuansha Road, Pudong, Shanghai, China

(1)The Manufacturing and Sales of Specialty Gas Scrubbers

The Date of Issue: 2019.7.1

 JAPAN CHEMICAL QUALITY ASSURANCE LTD.(JCQA)
 Nittochi-Uchisaiwaicho BLDG. 7F, 1-2-1, Uchisaiwaicho,
 Chiyoda-ku, Tokyo, 100-0011, JAPAN

T. Tamada

Tadanori Tamada

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