



CERTIFICATE



This is to certify that

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

with the organizational units/sites as listed in the annex

has implemented and maintains an **Environmental Management System**.

Scope:

Development, production and distribution of pharmaceuticals, chemical products and analytical systems.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 14001 : 2015

Certificate registration no.	005356 UM15
Date of revision	2021-06-09
Valid from	2020-12-17
Valid until	2023-12-16
Date of certification	2021-06-09



DQS GmbH

Markus Bleher
Managing Director



Annex to certificate
Registration No. 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location

005356
Merck KGaA
Frankfurter Straße 250
64293 Darmstadt

Including:
Real Estate GmbH
Merck Performance Materials Germany
GmbH
Merck Healthcare KGaA

With regional offices at:

Waldstrasse 3
64331 Weiterstadt

450237
Merck S.A.
Estrada dos Bandeirantes, 1099
Rio de Janeiro - RJ
22710-571
Brazil

450240
Merck Serono SA
Zone Industrielle de l'Ourietaz
1170 Aubonne
Switzerland

450325
Merck Serono SA
Corsier-sur-Vevey
Rte de Fenil 25
1804 Fenil-sur-Vevey
Switzerland

Scope

Development, production and distribution of pharmaceuticals, chemical products and analytical systems.

Production and distribution of pharmaceuticals and chemical products.

Production and distribution of pharmaceuticals.

Development and production of pharmaceuticals.





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Frankfurter Strasse 250
64293 Darmstadt
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Location

Scope

**450241
Merck & Cie
Weisshausmatte
6460 Altdorf
Switzerland**

Production of chemical products.

**450324
Merck & Cie
Im Laternenacker 5
8200 Schaffhausen
Switzerland**

Development and production of chemical products.

**527490
Sigma-Aldrich Chemie GmbH
Industriestrasse 25
9470 Buchs SG
Switzerland**

Development, manufacturing and distribution of reagents and chemicals for research, development, production and analytical purposes.

**530377
Sigma-Aldrich Production GmbH
Industriestrasse 25
9470 Buchs SG
Switzerland**

Development, manufacturing and distribution of reagents and chemicals for research, development, production and analytical purposes.

**514696
Merck Display Materials (Shanghai) Ltd.
First Floor and Second Floor Area B of
14th Building East Side and 15th building,
No. 211 Qinqiao Road, Free Trade Zone
201206 Shanghai
P.R. China**

Design, development, manufacture and distribution of liquid crystal materials; distribution of other chemical materials.

**518298
Merck Electronic Materials (Suzhou) Ltd.
No. 70, Longpu Road, Industrial Park
215021 Suzhou City, Jiangsu Province
P.R. China**

Production of photoresist products, edge bead rinse thinner, remover used for electronic industry.





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Frankfurter Strasse 250
64293 Darmstadt
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Location

Scope

543386
Merck Pharmaceutical Manufacturing
(Jiangsu) Co., Ltd.
No. 168 Hexing Road
NETDA
226010 Nantong, Jiangsu
P.R. China

Pharma manufacturing (production and package).

527728
Sigma-Aldrich Biochemie GmbH
Georg-Heyken-Strasse 14
21147 Hamburg
Germany

Development, manufacturing and distribution of reagents for the synthesis of oligonucleotides and other Life Science Products.

240237
Merck KGaA
Mainzer Strasse 41
64579 Gernsheim
Germany

Development, production and distribution of chemical products.

518299
Merck Performance Materials GmbH
Rheingaustrasse 190 - 196
65203 Wiesbaden
Germany

Design and development, production and supply of photoresist and process chemicals for the electronic and printing industry.

002955
Merck Schuchardt OHG
Eduard-Buchner-Strasse 14 - 20
85662 Hohenbrunn
Germany

Production and distribution of chemical products.

527592
Sigma-Aldrich Produktions GmbH
Riedstrasse 2
89555 Steinheim
Germany

Development and production of pharmaceuticals, chemical products and analytical systems.





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Frankfurter Strasse 250
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Location

Scope

527503
Sigma-Adrich Chemie GmbH
Riedstrasse 2
89555 Steinheim
Germany

Production and distribution of pharmaceuticals, chemical products and analytical systems.

450321
Merck S.L.U.
Polígono Industrial Merck
08100 Mollet del Valles (Barcelona)
Spain

Production and distribution of pharmaceuticals and chemical products.

426638
Merck S.L.U.
Calle de Batanes No 1
28760 Tres Cantos (Madrid)
Spain

Development and production of pharmaceuticals.

450274
Merck Biodevelopment S.A.S.
1 rue Jacques Monod
33650 Martillac Cedex
France

Development and production of biological molecules for therapeutic use.

478742
Merck Santé S.A.S.
Le Pressoir Vert
45402 Semoy
France

Development and production of pharmaceuticals.

518302
Merck Performance Materials SAS
L'Usine de la Motte
1 Rue du Flottage
60350 Trosly Breuil
France

Design, production and sale of colloidal silica





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Location

Scope

**450275
Merck Santé S.A.S.
5, rue Clément Ader
62100 Calais
France**

Production of chemical products.

**492648
Millipore S.A.S.
39, Route Industrielle de la Hardt
67120 Molsheim
France**

Manufacturing of devices and media for fluid analysis and purification.
Manufacturing of water purification systems for laboratories.
Engineering of filtration equipment.
Validation and scientific support to users.

**450276
Merck Santé S.A.S.
10 Av. de Lattre de Tassigny
69330 Meyzieu
France**

Production of chemical products and distribution of pharmaceuticals.

**527761
Sigma-Aldrich Co. Ltd.
Homefield Road
Haverhill, Suffolk
CB9 8QP
United Kingdom**

Manufacture of custom oligonucleotides. Sales and support of custom biomolecules and life science research products.

**505626
Millipore (UK) Ltd.
3 Fleming Road
Kirkton Campus
Livingston
EH54 7BN
United Kingdom**

Development, manufacture and sale of clinical diagnostic products derived from biological sources products and cell culture media and reagents.





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Location

Scope

527496
Sigma-Aldrich Co. Ltd.
T/A SAFC
Second Avenue
Heatherhouse Industrial Estate
Irvine
KA12 8NB
United Kingdom

The manufacture of cell culture related critical raw materials for the global health care industry.

450286
P.T. Merck Tbk.
Jl. TB. Simatupang no. 8
Pasar Rebo
Jakarta 13760
Indonesia

Development, production and distribution of pharmaceuticals and chemical products.

540290
PT Merck Chemicals and Life Sciences
Jl. TB. Simatupang No. 8
Pasar Rebo
Jakarta 13760
Indonesia

Sales, marketing and distribution of Life Science and Performance Material products.

518300
Merck Performance Materials Pvt. Ltd.
Khopoli Site
Survey No 109, 110, 112 Savroli Village,
Taluka Khalapur, Dist. Raigad
Maharashtra 410 203
India

Design, development, manufacturing, marketing and sales of silicon resins (polysilazanes and silazanes) and formulations.

501956
Merck Life Science Private Limited
50 A & 51, 2nd Phase, Ring Road, Peenya
Bangalore 560 058
India

Manufacturing of filtration equipment and related products for biopharm, process solutions, biomonitoring, lab water, bioscience, laboratory testing, validation and compliance services.





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Location

Scope

530393
Sigma Aldrich Chemicals Private Limited
12, Bommasandra Jigani Link Road
Bangalore, Karnataka State 560100
India

Development, manufacture, sales and distribution of specialty and fine chemicals.

505619
Merck Millipore Ltd.
Tullagreen
Carrigtwohill
T45 KD29 County Cork
Ireland

Manufacture of filtration products for the pharmaceutical, food, beverage, electronic and analytical industries. Manufacture of chromatography adsorbents, immobilized enzymes and other ligands for modification and purification of biomolecules.

527495
Sigma-Aldrich Ireland Ltd.
Vale Road
Arklow, County Wicklow
Ireland

The manufacture and supply of advanced pharmaceutical intermediates and active pharmaceutical ingredients and the procurement, sales and distribution of reagents and chemicals for research, development, production and analytical purposes.

450291
Inter-Lab Ltd.
Hakishon St. No. 18
81220 Yavneh 81101
Israel

Development and distribution of pharmaceuticals.

527758
Sigma-Aldrich Israel Ltd.
3 Plaut St., Park Rabin
Rehovot 7670603
Israel

Development and manufacture of biochemicals and biological reagents.



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Location

Scope

527759
Sigma-Aldrich Israel Ltd.
13-15 Kiryat Hamada St., Har Hotzvim
Jerusalem 9777613
Israel

Development and manufacture of
biochemicals and biological reagents.

450296
Merck Serono S.p.A.
Via Luigi Einaudi 11
00012 Guidonia Montecelio
Italy

Development and production of
pharmaceuticals.

450311
Merck Serono S.p.A.
Via della Magnolie 15
70026 Modugno (Bari)
Italy

Production of pharmaceuticals.

518301
Merck Electronics Ltd.
Shizuoka Site
3330 Chihama,
Kakegawa-shi,
Shizuoka 437-1412
Japan

Development and production of photoresists
for IC's and LCD's, other electronics materials-
related chemical products (developer, thinner,
rinse, remover, antireflective coating, adhesion
promoter, insulating coating, protecting
coating and electronic raw materials),
functional coating.

537117
Merck Serono Co., Ltd.
Atsugi Pharma Operations
4050, Nakatsu, Aikawa-machi, Aiko-gun
Kanagawa 243-0303
Japan

Visual inspection and packaging of Pharma
products.





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Frankfurter Strasse 250
64293 Darmstadt
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Location

Scope

532377
Merck Electronics Ltd.
Atsugi Site
4084, Nakatsu, Aikawa-machi, Aiko-gun
Kanagawa Pref. 243-0303
Japan

Development, production and distribution of chemical products.

497387
Merck Ltd.
Atsugi Site
4084, Nakatsu, Aikawa-machi, Aiko-gun
Kanagawa Pref. 243-0303
Japan

Distribution of Life Science products.

527893
Merck Ltd.
Odaiba Site
Aomi 1-1-20, Divercity Tokyo Office tower
15F
135-0064 Tokyo, Kotou-ku
Japan

Performance test for products, product demonstration and hardware maintenance.

532379
Merck Performance Materials G.K.
Arco Tower 5F, 1-8-1
Shimomeguro, Meguro-ku
Tokyo 153-8927
Japan

Sales of chemical products.

453292
Merck Ltd.
Arco Tower 5F, 1-8-1
Shimomeguro, Meguro-ku
Tokyo 153-8927
Japan

Sales of Life Science products.





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Location

Scope

**497388
Merck Ltd.
Baraki Technical Center
Nippon Express Baraki Air Cargo Center,
2526-26 Baraki Ichikawa,
Chiba Pref. 272-0004
Japan**

Stock holding and provision of repair for filtration products and analytical instrumentation.

**532380
Merck Performance Materials Ltd.
Osaka Site
Senba Central Building 3F,
6-8 Hon-machi 2-chome, Chuo-ku,
Osaka 541-0053
Japan**

Sales of chemical products.

**453297
Merck Ltd.
Osaka Site
Senba Central Building 3F,
6-8 Hon-machi 2-chome, Chuo-ku,
Osaka 541-0053
Japan**

Sales of Life Science products.

**497390
Merck Ltd.
Yokohama Technical Center
YBP West Tower 2F, 134 Godo-cho,
Hodogaya-ku
Yokohama, Kanagawa Pref. 240-0005
Japan**

Laboratory testing, validation and compliance services.

**426640
Merck Performance Materials G.K.
Onahama Site
51-15 Izumimachi Kurosuno Aza Egoshi
Iwaki-shi, Fukushima 971-8184
Japan**

Development, manufacture and distribution of chemical products.





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Location

Scope

505622
Merck Performance Materials Ltd.
306, Pyeongtaekhang-Ro, Poseung-eup
Pyeongtaek-shi,
Gyeonggi-do 451-822
Republic of Korea

Development, production and distribution of pharmaceuticals and chemical products.

518304
Merck Electronic Materials Ltd.
50-14 Hyupdongdanji-gil, Miyang-myeon
Anseong-si, Gyeonggi-do 17600
Republic of Korea

Research, development, production, inspection and testing of light-sensitive materials and related processing chemicals for semiconductor industry.

547576
Versum Materials, Banwol
Jangjagol Ro, 82, 425-833 Danwon-gu,
Ansan-si, Gyeonggi-do,
Republic of Korea

Manufacture and transfill of specialty gases and chemicals.

547582
Versum Materials HYT Inc.
#283, Haebong-Ro, Danwon-gu
Ansan-Si 425-839
Republic of Korea

Design and assembly of equipment to control limited distribution of gases and chemicals.

547591
Versum Materials, US LLC Shihwa
Shiwa Ind., Complex
143, Hyeomnyeok-ro
Siheung-si 429-450
Republic of Korea

Manufacture and transfill of specialty gases and chemicals.

547580
Versum Materials, US LLC Gyeonggi-do
88-19, Sandan-ro
Pyeongtaek-si, 459-040
Republic of Korea

Production of high purity chemicals.





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Scope

547595
Versum Materials, US LLC Ulsan
48, Yonyeon-ro 98 beon-gil
Nam-gu 680-150
Republic of Korea

Manufacture and transfill of speciality gases and chemicals.

507107
Merck S.A. de C.V.
Calle 5 No. 7 Fracc. Ind. Alce Blanco
53370 Naucalpan de Juárez,
Estado de México,
Mexico

Production and distribution of pharmaceuticals.

506584
Merck, Inc.
24/F GT Tower International,
6813 Ayala Avenue
1227 Makati City, Metro Manila
Philippines

Marketing, sales and distribution of pharmaceutical drugs, chemical products and laboratory supplies and equipment.

527491
SAFC Hitech Taiwan Co., Ltd.
No. 15, Luke 3rd Rd.
Kaohsiung Science Park
Luzhu Dist. 82151
Kaohsiung City
Taiwan

Manufacture of chemicals for industrial applications for optoelectronics and semiconductor devices.

518305
Merck Performance Materials Ltd.
No. 458-6, 8 & 11, Xinxing Rd.,
Hu Kuo Township
Hsinchu County
Taiwan

Development and manufacture of photo-resist products, top-layer anti-reflective coating materials and other chemical products.





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Scope

547592
Versum Materials Taiwan Co., Ltd.
Taichung Branch
No. 6, Dachen S. Road
Wuci District
Taichung City 43541
Taiwan (R.O.C.)

Provision of logistic and delivery services of associated specialty gases and chemicals for the electronic industries.

547587
Versum Materials Taiwan Co., Ltd.
No. 772, Singnong Road
Shanhua District
74160 Tainan
Taiwan (R.O.C.)

Manufacture and transfill of specialty gases and chemicals.

426643
Merck Performance Materials Ltd.
No. 39, 39-1, Ching Chien 1st Road
Kuan Yin Industrial Park
Taoyuan
Taiwan

Development, production and distribution of chemical products.

478744
EMD Serono Research Cent.
45A Middlesex Turnpike,
Bedford Campus
Billerica, MA 01821,
United States of America

Development and production of pharmaceuticals.

547577
Versum Materials, US LLC
357 Marian Avenue
Tamaqua, PA 18252
United States of America

Manufacture and transfill of specialty gases and chemicals.





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Location

Scope

547585
Versum Materials, US LLC Catoosa
1115 West Keystone
Catoosa, OK 74015
United States of America

Manufacture and transfill of specialty gases and chemicals.

547586
Versum Materials, US LLC Dallas
8201 S. Central Express Way
Dallas, TX 75241
United States of America

Production of High Purity Chemicals.

547593
Versum Materials, US LLC Tempe
8555 South River Parkway
Tempe, AZ 85284
United States of America

Manufacture Chemical Mechanical Planarization and Polishing Solutions.

547584
Versum Materials, US LLC Carlsbad
1969 Palomar Oaks Way
Carlsbad, CA 92011
United States of America

Manufacture of high purity materials and related containers.

505631
EMD Millipore Corp.
28820 Single Oak Drive
Temecula, CA 92590
United States of America

Design and development, manufacture and distribution of research kits and chemicals.

450330
EMD Performance Materials Corp.
110 EMD Blvd.
Savannah, GA 31402
United States of America

Design and development, manufacture and distribution of pigments.

This annex (edition: 2021-06-09) is only valid in connection with the above-mentioned certificate.





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Scope

**496589
EMD Millipore Corp.
195 W. Birch Street
Kankakee, IL 60901
United States of America**

Design, development, manufacturing and distribution of Highly Purified Blood Proteins and Biologically Active Factors.

**527748
SAFC Biosciences, Inc.
13804 West 107th Street
Lenexa, KS 66215
United States of America**

Development, production and distribution of pharmaceuticals, chemical products and analytical systems.

**527489
EMD Performance Materials Corp.
1429 Hilldale Avenue
Haverhill, MA 01832
United States of America**

Design, development and manufacture of high purity chemicals for industrial applications such as optoelectronics and semiconductor devices.

**496587
EMD Millipore Corp.
17 Cherry Hill Drive
Danvers, MA 01923
United States of America**

Design, Development and Manufacture of disposable bioprocessing systems

With associated organizations:

**-54 Cherry Hill Drive, Danvers, MA 01923,
USA
-75 Sylan Street Warehouse, Danvers, MA
01923, USA**





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Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
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Location

527743
Sigma-Aldrich Corporation
3500 Dekalb Street
St. Louis, MO 63118
United States of America

With associated organizations:

3300 S 2nd St, St. Louis, MO 63118
3500 S Broadway, St. Louis, MO 63118
545 S Ewing Ave, St. Louis, MO 63103
2909 Laclede Ave, St. Louis, MO 6310
3050 Spruce St, St. Louis, MO 63103
2425 S 2nd St, St. Louis, MO 63104

492647
EMD Millipore Corp.
11 Prescott Road
Jaffrey, NH 03452
United States of America

518306
EMD Performance Materials Corp.
70 Meister Avenue
Branchburg, NJ 08876
United States of America

527764
Research Organics LLC., dba SAFC
4353 East 49th Street
Cleveland, OH 44125
United States of America

505606
EMD Millipore Corp.
2828 Highland Avenue
Norwood, OH 45212
United States of America

Scope

Design, development, manufacturing, testing, QA, warehouse, maintenance of chemical reagents, raw materials, and components.

Exclusions:

1. Equipment and systems owned by customers and used for custom manufacturing.
2. Sites managed by contractors or other third parties and not directly controlled by Millipore Sigma.

Manufacture, storage and distribution of membranes, purification systems and filtration products for bioprocess, healthcare and beverage industries.

Design and manufacture of photoresist and related chemical products.

Manufacturing of high purity bio-chemicals.

Development, production and distribution of chemical products.





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Frankfurter Strasse 250
64293 Darmstadt
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Location

Scope

527733
Sigma-Aldrich Corporation
3858 Benner Road
Miamisburg, OH 45342
United States of America

Development, procurement, production, testing and sales of chemicals, reagents and laboratory equipment for research, development, production and analytical purposes.

527767
Supelco, Inc.
595 North Harrison Rd.
Bellefonte, PA 16823
United States of America

Design, development, manufacture, distribution and technical support of sample handling, chromatography and analytical supplies and services.

518307
EMD Performance Materials Corp.
788 Chert Quarry Rd.
Martin, SC 29836
United States of America

Manufacturing and development of colloidal silica.

527766
Sigma-Genosys of Texas LLC
Dbas Sigma Custom Products
9186 Six Pines Drive, Suite 100
The Woodlands, TX 77380
United States of America

Manufacture and distribution of custom oligonucleotides and peptides for the Research and Applied Science Markets.

527762
Cerilliant Corporation
811 Paloma Drive, Suite A
Round Rock, TX 78665
United States of America

Development, production and distribution of high quality certified reference standards and certified components for test kits.

527739
Aldrich Chemical Co., LLC.
5485 County Highway V
Sheboygan Falls, WI 53085
United States of America

Shipping and receiving, material management, manufacturing, packaging, quality control, maintenance, and waste management.





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Frankfurter Strasse 250
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Location

Scope

527738
Aldrich Chemical Co., LLC
6000 North Teutonia Avenue
Milwaukee, WI 53209
United States of America

Development, procurement, production, testing, sales and distribution of chemicals, reagents and laboratory equipment for research, development, production and analytical purposes.

533209
SAFC, Inc.
645 Science Dr.
Madison, WI 53711
United States of America

Support, development and manufacturing of high-potency API (HPAPI) and highly active and complex pharmaceutical ingredients.

With associated organization:

1101 Kettle Moraine Tr.
Verona, WI 53593
United States of America

