



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

DQS has issued an IQNet recognized certificate that the organization

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**.

for the following scope:

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


which fulfills the requirements of the following standard:

ISO 14001 : 2015

Issued on: 2020-12-17
Expires on: 2023-12-16

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document.

Registration number: DE-005356 UM15


Alex Stoichitoiu
President of IQNet


Michael Drechsel
Managing Director of
DQS Holding GmbH



IQNet Partners*:

AENOR Spain AFNOR Certification France APCER Portugal CCC Cyprus CISQ Italy
CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany EAGLE Certification Group USA
FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia Inspecta Sertifiointi Oy Finland INTECO Costa Rica
IRAM Argentina JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland
NYCE-SIGE México PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia
SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com





Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location

Scope

005356
Merck KGaA
Frankfurter Strasse 250
64293 Darmstadt

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

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

With regional offices at:
Roesslerstrasse 96
64293 Darmstadt

Waldstrasse 3
64331 Weiterstadt

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

Production and distribution of pharmaceuticals and chemical products.

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

Production and distribution of pharmaceuticals.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location	Scope
450325 Merck Serono SA Corsier-sur-Vevey Rte de Fenil 25 1804 Fenil-sur-Vevey Switzerland	Development and production of pharmaceuticals.
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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location	Scope
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 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 China	Production of photoresist products, edge bead rinse thinner, remover used for electronic industry.
543386 Merck Pharmaceutical Manufacturing (Jiangsu) Co., Ltd. No. 168 Hexing Road NETDA 226010 Nantong, Jiangsu 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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location	Scope
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.
505611 Merck Life Science GmbH Lilienthalstrasse 16 69214 Eppelheim Germany	Development, manufacture and distribution of culture media and systems for microbiology.
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.
527503 Sigma-Adrich Chemie GmbH Riedstrasse 2 89555 Steinheim Germany	Production and distribution of pharmaceuticals, chemical products and analytical systems.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location

Scope

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



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location	Scope
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.
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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location

Scope

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.

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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location	Scope
518301 Merck Performance Materials 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.
532377 Merck Performance Materials 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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location	Scope
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 Ltd. 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.
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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location	Scope
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 Ltd. Onahama Site 51-15 Izumimachi Kurosuno Aza Egoshi Iwaki-shi, Fukushima 971-8184 Japan	Development, manufacture and distribution of chemical products.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

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, US LLC Ansan #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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location	Scope
547580 Versum Materials, US LLC Gyeonggi-do 88-19, Sandan-ro Pyeongtaek-si, 459-040 Republic of Korea	Production of high purity chemicals.
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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location	Scope
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.
547592 Versum Materials, US LLC Taichung Branch Office No. 6, Dachen S. Road Wuci District Taichung City Taiwan	Provision of logistic and delivery services of associated specialty gases and chemicals for the electronic industries.
547587 Versum Materials, US LLC Nanke Sita A, No. 772, Singnong Road Shanhua District, Tainan 74160 Taiwan	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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location	Scope
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.
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, 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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location	Scope
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.
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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location

Scope

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 Sylvan Street Warehouse, Danvers, MA 01923, USA

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

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

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

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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location	Scope
492647 EMD Millipore Corp. 11 Prescott Road Jaffrey, NH 03452 United States of America	Manufacture, storage and distribution of membranes, purification systems and filtration products for bioprocess, healthcare and beverage industries.
518306 EMD Performance Materials Corp. 70 Meister Avenue Branchburg, NJ 08876 United States of America	Design and manufacture of photoresist and related chemical products.
527764 Research Organics LLC., dba SAFC 4353 East 49th Street Cleveland, OH 44125 United States of America	Manufacturing of high purity bio-chemicals.
505606 EMD Millipore Corp. 2828 Highland Avenue Norwood, OH 45212 United States of America	Development, production and distribution of chemical products.
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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

Location

Scope

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
DbA 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.



Annex to IQNet Certificate Number: 005356 UM15

Merck KGaA

Frankfurter Strasse 250
64293 Darmstadt
Germany

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