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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 a Quality Management System.

for the following scope:

Development, manufacture and distribution of basic chemicals, special chemical products and analytical systems.

which fulfills the requirements of the following standard:

ISO 9001 : 2015

Issued on: Expires on: 2020-11-24 2023-11-23

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 QM15





Alex Stoichitoiu President of IQNet

IQNet Partners*:

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



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

005356 Merck KGaA Frankfurter Straße 250 64293 Darmstadt

Including: Real Estate GmbH Merck Performance Materials Germany GmbH

With regional offices at: Roesslerstrasse 96 64293 Darmstadt

Gutenbergstrasse 10 64331 Weiterstadt

519160 Merck S. A. Tronador 4890 C1430DNN Buenos Aires Argentina

Import, warehousing, trading and distribution of chemical products, lab equipment and IVD's.

Development, manufacture and distribution of

basic chemicals, special chemical products

and analytical systems.

And regional warehouse at Marconi 877 – B1812CDE Carlos Spegazzini Pcia. de Buenos Aires Argentina

496580 Merck Pty. Limited 885 Mountain Highway Bayswater VIC 3153 Australia

Distribution of chemicals, laboratory equipment and consumables, filtration, separation, Life Science and purification products.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

531364 Sigma-Aldrich Handels GmbH Marchettigasse 7 / 2 1060 Vienna Austria

Sales of laboratory and industrial chemicals.

531355 Sigma-Aldrich BVBA SPRL Brusselsesteenweg 288 3090 Overijse Belgium

Sales of laboratory and industrial chemicals.

527487 Merck Bulgaria EAD 48 Sitnyakovo Blvd. 1505 Sofia Bulgaria

Sales and distribution of chemicals and reagents, raw materials, microbiological products, mixtures for analysis of foods, water and environment, chromatographic consumables, products used in laboratories and laboratory equipment. Service and maintenance. Training.

541664 Merck S.A. (Brazil) Alameda Xingu, 350, 5° andar - Alphaville Barueri 06455-030 Brazil

Administrative process of importation and local purchase of finished products, equipment and raw materials for industries: pharmaceutical, chemical, food, beverages and research, development and analysis laboratory.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

541662 Sigma Aldrich Brazil LTDA Alameda Xingu, 350, 5° andar - Alphaville Barueri 06455-030 Brazil

Administrative process of importation and local purchase of finished products, equipment and raw materials for industries: pharmaceutical, chemical, food, beverages and research, development and analysis laboratory.

527768 Sigma Aldrich Brazil LTDA Rua Torre Eiffel, 100 Cotia - SP 06705-481 Brazil

Importation, receiving, storage and distribution of finished products, equipment and raw materials for industries: pharmaceutical, chemical, food, beverages and research, development and analysis laboratory.

541661 Merck S.A. (Brazil) Rua Torre Eiffel, 100 Cotia - SP 06705-481 Brazil

Importation, receiving, storage and distribution of finished products, equipment and raw materials for industries: pharmaceutical, chemical, food, beverages and research, development and analysis laboratory.

527756 Sigma-Aldrich Canada Co. 2149 Winston Park Drive Oakville L6H 6J8 Canada

Sales and distribution of biochemical and organic chemical products and kits.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Weisshausmatte

6460 Altdorf

Switzerland

450241 Merck & Cie Scope

Manufacture and distribution of active pharmaceutical ingredients, chromatography resins and other Life Science 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

496582 Merck S.A. Francisco de Paula Taforó 1981 - Ñuñoa 7780349 Santiago Chile Development, manufacturing and distribution of reagents and chemicals for research, development, production and analytical purposes.

Distribution of chemical products and pharmaceutical ingredients, instruments and laboratory equipment. Service of installation, maintenance, repair and technical assist of instruments and equipment of laboratory.

527755 Sigma-Aldrich (Wuxi) Life Science & Technology Co., Ltd. 99 Ximei Road Wuxi New District Wuxi City 214028 P.R. China

Packaging of bio-chemical reagent products (non-medicinal) and manufacture of disposal bio processing bags.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

519308 **Merck Limited** FLAT/RM 601-2, Li Po Chun Chambers, 189 Des Voeux Road Central Hongkong P.R. China

Sales, supply and innovation of Life Science chemical products and solutions.

547589 Versum Materials, US LLC Shanghai Wai Gao Qiao (Warehouse) No. 238 Fenju Road Wai Gao Qiao (Warehouse) Shanghai P.R. China

Assembly of equipment to control limited distribution of gases and chemicals as well as storage and distribution of specialty gases and chemicals.

533161 Sigma Aldrich (Shanghai) Trading Co., Ltd Distribution and warehousing of Life Science #10 Building,509 Renging Road **Pudong District** 201201 Shanghai P.R. China

chemicals.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

(Sales Office)

No.01 Joring Rd,

201203 Shanghai

P.R. China

507106

Scope

Sales Office: Sales and supply of Life Science chemicals, materials, reagent, equipment and consumable.

China BioReliance Validation Services Lab: Provision of laboratory testing and validation service for filtration products and Single Use Assemblies.

System and Solutions Operations China: Design and provision of filtration and ultrafiltration products, system and related solution.

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

Merck Chemicals (Shanghai) Co., Ltd.

Room 908, Tomson-Trade Building,

Waigaogiao Free Trade Zone

521709

Merck Electronic Materials (Suzhou) Ltd. Shanghai sales office First Floor and Second Floor Area B of 14th Building East Side and 15th building, No. 211 Qinqiao Road, 201206 Shanghai P.R. China Design, development, manufacture and distribution of liquid crystal materials; distribution of other chemical materials.

Sale of photoresist products, edge bead rinse thinner and remover used for the electronic industry. Distribution of ancillary chemicals and additives used for electronic industry, including anti-reflective coating, developer and adhesion prompter.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

518298

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

Scope

Production and sale of photoresist products, edge bead rinse thinner and remover used for electronic industry. Distribution of ancillary chemicals and additives used for electronic industry, including anti-reflective coating, developer and adhesion promoter.

542618 Merck Life Science Technologies (Nantong) Co., Ltd No.39 Jianggang Road Nantong Economic & Technological Development Area 226017 Jiangsu P.R. China

Manufacturing of cell culture media, ready-touse products and inorganic salts.

531357 Sigma-Aldrich spol. s.r.o. Na Hřebenech II 1718/10 140 00 Praha 4 Czech Republic

Sales, customer and technical service for laboratory and industrial chemicals.

092560 Merck spol. s.r.o. Na Hrebenech II. 1718 / 10 140 00 Praha 4 Czech Republic

Marketing, sales and distribution (including after sales service) of laboratory chemicals, instruments, equipment and consumables; chemicals for production; analytical systems.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

240237

Germany

Merck KGaA

Mainzer Strasse 41 64579 Gernsheim Scope

273047 Biochrom GmbH Leonorenstrasse 2 - 6 12247 Berlin Germany

Sales, customer and technical service for cell culture products and sterile liquids.

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

Development, procurement, production, sales and distribution of reagents and chemicals for research, development, production and analytical purpose.

Development, manufacture and sales of chemical products.

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

Design and development, production and supply of photoresist, liquid crystals 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.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

531362 Sigma-Aldrich Chemie GmbH Eschenstrasse 5 82024 Taufkirchen Germany

Sales, customer and technical service for laboratory and industrial chemicals.

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

Manufacture, sales and distribution of chemicals for widespread applications in Pharma, Cosmetics and Technical Industry.

527503 Sigma-Adrich Chemie GmbH Riedstrasse 2 89555 Steinheim Germany

Incl. Sigma Aldrich Production GmbH Riedstrasse 2 89555 Steinheim

527729 Sigma-Aldrich Chemie GmbH Kappelweg 1 91625 Schnelldorf Germany

531349 Merck Life Science A/S Vandtårnsvej 62A, 5. A 2860 Søborg Denmark Development, procurement, production and distribution of reagents and chemicals for research, development, production and analytical purpose.

Storage, packaging and shipping of chemicals.

Sales and Services.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

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

Manufacture and distribution of chemicals for regulated markets and special applications.

531363 Merck Life Science S.L.U Calle de Maria de Molina, 40 28006 Madrid Spain

Sales and Services.

Sales and Services.

531352 Merck Life Science OY Keilaranta 6 02150 Espoo Finland

527727 Sigma-Aldrich Chimie S.a.r.l. 80 Rue de Luzais 38297 St. Quentin-Fallavier France

518302 Merck Performance Materials SAS L'Usine de la Motte 1 Rue du Flottage 60350 Trosly Breuil France Sales and distribution of reagents and chemicals for research, development and production.

Design, manufacturing and distribution of colloidal silica.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

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

Scope

Design, development, production engineering, manufacturing and distribution of devices, media and equipment for fluid analysis and purification. Production engineering, manufacturing and distribution of water purification systems for laboratories. Deliver engineered systems and technical solutions. Validation and scientific support to users. Maintenance and repair for biomonitoring and process solution equipment. Technical and commercial support to customers.

534721 Merck Chimie SAS 10 Avenue de Lattre de Tassigny 69330 Meyzieu France

Development, production and sale of polymer microspheres mainly used as solid supports in diagnostic kits and marketed under the brand estapor.

506585 Millipore S.A.S. 1, rue Jacques Monod Rond-Point des Sangliers 78280 Guyancourt France

Design, development of and field service for water purification systems for laboratories.

527501 Sigma-Aldrich Co. Ltd. Fancy Road Poole, Dorset BH12 4QH United Kingdom

Technical service for reagents and chemicals for research, development, production and analytical purposes.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

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

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.

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

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

527730 Sigma-Aldrich Co. Ltd. The Old Brickyard, New Road Gillingham, Dorset SP8 4XT United Kingdom

Procurement, sales and distribution of reagents and chemicals for research, development, production and analytical purposes.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

501978 Merck A.E. Hellas 41-45 Kifissias ave. 15123 Maroussi / Attica Greece

Trade and distribution of pharmaceutical and chemical products and medical devices.

505613 Merck Kft. Október huszonharmadika utca 6 - 10 1117 Budapest Hungary

Distribution of laboratory and specialty chemicals and lab equipment. Servicing of distributed equipment.

531351 Sigma-Aldrich Kft. Október huszonharmadika utca 6 - 10 1117 Budapest Hungary

Sales, customer and technical service for laboratory and industrial chemicals.

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

Sales (including Customer Excellence) Supply Chain and Distribution of Life Science and Performance Material products.

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

Sales, marketing and distribution of Pharmaceutical Raw Material Products.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

510831

India

Scope

Development, manufacturing and marketing of microbiology products. Manufacturing and marketing of laboratory reagent. Marketing of laboratory products.

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

Merck Life Science Private Limited

Mumbai, Vikhroli 400 079

Godrej One, 8th floor, Pirojshanagar,

Eastern Express Highway, Vikhroli - East

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

And regional offices in New Delhi, Ahmedabad, Bangalore, Kolkata, Mumbai and Hyderabad

530393

Sigma Aldrich Chemicals Private Limited # 12, Bommasandra Jigani Link Road Bangalore, Karnataka State 560100 India Design, manufacture, assembly, testing and supply of filtration equipment and related products for biopharm process solutions, biomonitoring, lab water, ASP(Analytical Sample Preparation), and provision of laboratory testing and validation service for filtration and single use products.

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



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

547726 SIGMA ALDRICH SBS (subsidiary of Merck) 7th FLOOR,TOWER-2,ELECTRONIC CITY PHASE-1 Bangalore District 560100 India

Global support services in Accounting, Commercial, Financial Analytics, HR Information System, New Product Introduction, Product Management Operations, Regulatory Affairs, Strategic Marketing and Innovation, Studio M, Supply Chain Operations, Quality Services and Trade Compliance for the Merck Group.

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

Design and 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

Procurement, sales and distribution of reagents and chemicals for research, development, production and analytical purposes.

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

Development, manufacture, marketing, sales and distribution of biochemicals, organic chemicals and reagents for research, production and analytical purposes.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

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

Development and manufacture of biochemicals, organic chemicals and reagents for research, development, production and analytical purposes.

531353 Merck Life Science S.r.I. Via Monterosa 93 20149 Milano Italy

Sales and Services.

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

Development and production of photoresists and other electronics materials related to chemical product, functional coating.

527752 Sigma Aldrich Japan G.K. Ichikawa Site 368 O-Machi Ichikawa-Shi Chiba Japan

Distribution of Life Science Products.

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

Design, development and manufacture of chemical products.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

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

Distribution of Life Science products.

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

Supply chain and Quality for sales support of chemical products and 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.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Scope

Location

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.
With units BioReliance Validation Services, Process solutions Life Science	
426640 Merck Performance Materials Ltd. Onahama Site 51-15 Izumimachi Kurosuno Aza Egoshi Iwaki-shi, Fukushima 971-8184 Japan	Development and manufacture of chemical products.
505622 Merck Performance Materials Ltd. 306, Pyeongtaekhang-Ro, Poseung-eup Pyeongtaek-shi, Gyeonggi-do 451-822 Republic of Korea	Development, manufacture, marketing, sales and servicing of chemicals.
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.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

505621 Merck Ltd. Korea Haesung-Building 15F 508 Teheran-ro, Gangnam-gu Seoul 06178 Republic of Korea

536979 Sigma Aldrich Korea Ltd. 113, Songdo Kukje-daero 343 beon-gil Yeon-Su Gu, Incheon 21991 Republic of Korea

547576

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

547582 Versum Materials, US LLC Ansan #283, Haebong-Ro, Danwon-gu Ansan-Si 425-839 Republic of Korea

547591 Versum Materials, US LLC Shihwa Shiwa Ind., Complex143, Hyeomnyeok-ro Siheung-si 429-450 Republic of Korea

Scope

Marketing, sales and distribution of pharmaceuticals and chemical products including central functions (HR and finance administration).

Marketing, sales and distribution of reagents for research purposes.

Manufacture and transfill of specialty gases and chemicals.

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

Manufacture and transfill of specialty gases and chemicals.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

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

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

Manufacture and transfill of specialty gases and chemicals.

Sales, distribution and after sales of products

Performance Materials business sectors.

and equipment of Life Science and

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

506583 Merck Chemicals B.V. Haarlerbergweg 21 - 23 1101 CH Amsterdam Zuidoost Netherlands

Customer orders and cash processing.

531365 Sigma-Aldrich Chemie BV Stationsplein 4E 3331 LL Zwijndrecht Netherlands

Sales of laboratory and industrial chemicals.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

531354 Merck Life Science AS Drammensveien 123 0277 Oslo Norway

Sales and Services.

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

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

531356 Sigma-Aldrich Sp. z o. o., ul. Szelągowska 30 61-626 Poznań Poland

Sales, customer and technical service for

laboratory and industrial chemicals.

531358 Merck Life Science S.L.U Sucursal em Portugal Edifício DUO Miraflores, Alameda Fernão Lopes, 12 - 4°B 1495-190 Algés Portugal

Sales of laboratory and industrial chemicals.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

528833 Merck Romania SRL Str. Gara Herastrau 4D, Sector 2 020334 Bucharest Romania

Warehouse Localitatea Rudeni, Oras Chitila, Soseaua Rudeni nr. 74 A, Hala C2, 077045 Judetul Ilfov Romania

Scope

Marketing and sales of specialty chemicals and high purity preparations, equipment analysis technology filtration equipment, installation and service of equipment sold. Storage of chemicals, medical devices and equipment.

496590 Merck Pte Ltd. (Life Science) Merck Millipore 2 Science Park Drive # 05-01/12 Ascent Building Singapore 118222 Singapore

Warehouse: 5 Tuas Ave 3, #03-00 Warehouse B Singapore 639405

540293 Sigma Aldrich Pte Ltd 2 Science Park Drive #05-01/12 Ascent Building Singapore 118222 Singapore Sales, marketing and distribution of chemicals, laboratory equipment and consumables, filtration, separation, Life Science and purification products.

Provision of warehouse related logistics services from goods receiving delivery to customers.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

547594 Versum Materials, US LLC Tuas (Warehouse) 8 Tuas Basin Link Tuas 638762 Singapore

Storage and distribution of specialty gases and chemicals.

527484 Merck d.o.o. Serbia Omladinskih brigada 90v 11070 Belgrade Serbia

Wholesale trade of medicines and medical devices.

531348 Sigma-Aldrich spol. s r.o. Dvořákovo nábrežie 4 810 06 Bratislava Slovakia

Sales, customer and technical service for laboratory and industrial chemicals.

531360 Sigma-Aldrich Sweden AB Solkraftsvägen 14C 135 70 Stockholm Sweden

industrial chemicals.

Sales and distribution of laboratory and

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).



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

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

Scope

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 43541 Taiwan (R.O.C)

Storage and distribution of specialty gases and chemicals.

547587 Versum Materials, US LLC Nanke No. 772, Singnong Road Shanhua District 74160 Tainan Taiwan (R.O.C)

Manufacture and transfill of specialty gases and chemicals

542621 Merck Ltd. 6F, No.89,Sec.2, Tiding Blvd., Taipei Taiwan

426643 Merck Performance Materials Ltd. No. 39, 39-1, Ching Chien 1st Road Kuan Yin Industrial Park Taoyuan Taiwan Sales and distribution of Life Science Chemicals.

Development, manufacture and distribution of chemical products.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

547596 Versum Materials, US LLC Vultee 1919 Vultee Street Allentown, 18103 United States of America

547577 Versum Materials, US LLC Hometown 357 Marian Avenue Tamaqua, 18252 United States of America Design and assembly of equipment to control limited distribution of gases and chemicals.

Manufacture and transfill of specialty gases and chemicals

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

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

547588 Versum Materials, US LLC Samsung Austin Semiconductor 12100 Samsung Boulevard Austin, TX 78754 United States of America Manufacture and transfill of specialty gases and chemicals.

Manufacture and distribution of specialty chemicals.

Servicing chemicals distribution systems



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

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 chemicals and assembly of glass and stainless steel chemical containers.

547725 MilliporeSigma Corp. 8511 W Riggin Ave Visalia, 93291 United States of America

Distribution.

534975 EMD Performance Materials - Ormet Circuits, Inc 6555 Nancy Ridge Drive Suite 200 San Diego, CA 92121 United States of America

The design, development and manufacture of conductive pastes, inks and other materials for electronic applications.

505627 EMD Millipore Corp. 28820 Single Oak Drive Temecula, CA 92590 United States of America

With associated organization: 26578 Old Julian Highway Ramona, CA 92065 Design and development, manufacture and distribution of chemical and biological reagents



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

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

Design and development, manufacture, technical support and distribution of research use only immunoassay kits. Bioscience global technical and sales support organization.

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

With associated organization:

2407 Eastgate Industrial Parkway Kankakee, IL 60901

527747 Sigma-Aldrich 1302 West Anthony Drive Urbana, IL 61802 United States of America

Design, development, manufacturing and

and biologically active factors.

distribution of highly purified blood proteins

Manufacture of reagents and chemicals for research, development, production and analytical purposes.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

527748 SAFC Biosciences, Inc. 13804 West 107th Street Lenexa, KS 66219 United States of America

527749 SAFC Biosciences, Inc. 11296 Renner Boulevard Lenexa, KS 66219 United States of America Scope

Design, control, procurement, manufacturing and distribution of sera, dry powder media, as well as repackaging of raw materials.

Design, control, procurement and distribution of sera and dry powder media.

496583 EMD Millipore Corp. 80 Ashby Road Bedford, MA 01730 United States of America

science applications, expression technology cell culture products; Service & repair for instruments.

Development & customer support for

purification and separation media for life

496285 EMD Millipore Corp. 400 Summit Drive Burlington, MA 01803 United States of America

field service.

Finished Goods, biological and compliance

testing, reagents and kits, filter equipment,

532231 Sigma Aldrich Research Biochemicals, Inc. ("Sigma- RBI) 600 Summit Drive Burlington, MA 01803 United States of America

Design, development, manufacturing, contract manufacturing of reagents, raw materials, components and kits.



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

Manufacturing high purity chemicals for optoelectronics and semiconductor devices.

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

Danvers single-use manufacturing.

With associated organizations: - 54 Cherry Hill Drive, Danvers, MA 01923, USA - 75 Sylvan Street, Warehouse, Danvers, MA 01923, USA

527745 Sigma-Aldrich 2425 South Second Street (Barton) St. Louis, MO 63104 United States of America

Storage and distribution of chemical reagents, raw materials, media, components and kits.

546398 Sigma-Aldrich, Inc. 3300 South Second Street (Cherokee) St. Louis, MO 63118 United States of America

Buffers: manufacturing, packaging, QA, QC



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

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

With associated organizations: - 545 South Ewing Street, St. Louis, MO 63103 - 3300 South Second Street, XY Building, St. Louis, MO 63118 - 2909 Laclede Street, St. Louis, MO 63101 - 3050 Spruce Street, St. Louis, MO 63103

Scope

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

527744 Sigma-Aldrich, Inc. 3506 South Broadway (Broadway) St. Louis, MO 63118 United States of America

Cell Culture Media: manufacturing, packaging, QA, QC

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

Manufacture of membrane and filtration

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

Design and manufacture of photoresist and related chemical products.

products.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

Scope

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

Manufacturing of high purity biochemicals.

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

527733 Sigma-Aldrich Corporation 3858 Benner Road

3858 Benner Road Miamisburg, OH 45342 United States of America

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

527734 Aldrich Chemical Co., LLC Ironrun Industrial Park 6950 Ambassador Drive Allentown, PA 18106 United States of America Design and development, manufacture and distribution of high purity organic solvents, organic chemicals/ reagents, acids and chemical specialities.

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

The design, development, manufacture, distribution and technical support of chromatography products for analysis and purification.

Distribution of chemicals, reagents and laboratory equipment for research, development, production and analytical purposes.



Merck KGaA

Frankfurter Strasse 250 64293 Darmstadt Germany

Location

527751 SAFC Biosciences, Inc. 5 Dutch Court (Reading) Sinking Spring, PA 19608 United States of America

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

Distribution of dry powder media and repackaging of raw materials.

Design and manufacture of colloidal silica.

With associated organization:

8604 Cliff Cameron Drive, Suite 105 Charlotte, NC 28269 United States of America

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 of DNA, siRNA, AQUA and PEPscreen peptides for the research and applied science markets.

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

Design and manufacturing of certified reference materials, analytical reference standards, analytes and chemical reagents.



Merck KGaA

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Location

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

With associated organizations at Milwaukee Emmber Lane, Sheboygan Falls and Port Washington.

Scope

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

527765 Sigma Aldrich RTC, Inc. 2931 Soldier Springs Road Laramie, WY 82070 United States of America

505624 Merck (Pty) Ltd. Modderfontein & Wadeville 1 Friesland Drive Longmeadow Business Estate Modderfontein 1645 South Africa Design, manufacturing, certify and distribute, certified reference materials and proficiency testing materials and to conduct laboratory proficiency testing program.

Sales, marketing and distribution of locally produced and imported goods for Life Science industry, pigments and cosmetics, and laboratory consumables. This includes installing, maintaining, repairing and validating Lab Water-, Bioscience-, Biomonitoring- and Third Party systems.