

Site Quality Self-Assessment

based on

Rx-360 Supplier Assessment Questionnaire

Module 2, Site Specific Information

Relevant for

Aldrich Chemical Co., LLC 6000 North Teutonia Avenue Milwaukee, WI 53209, USA An affiliate of Merck KGaA, Darmstadt, Germany

The site self-assessment covers our quality management system for the following applications:

- repackaging, manufacturing of chemicals, reagents and laboratory equipment
- GDP distrubution

The site applies a quality managment system aligned to Good distribution practise (GDP).



Merck KGaA, Darmstadt, Germany is an active member of the Rx 360 Consortium

As a trusted partner of our customers, we deliver quality - always.

Merck KGaA, Darmstadt, Germany Corporation with General Partners Frankfurter Str. 250 64293 Darmstadt, Germany Phone +49 6151 72-0 Sigma-Aldrich Corporation A subsidiary of Merck KGaA, Darmstadt, Germany 3050 Spruce Street St. Louis, MO 63103, USA Phone +1 (800) 521-8956 / +1 (314) 771-5765 EMD Millipore Corporation A subsidiary of Merck KGaA, Darmstadt, Germany 400 Summit Drive Burlington, MA 01803, USA Phone +1 (781) 533-6000



Information

This document is based on the Rx-360 Consortium's Supplier Assessment Questionnaire template, Module 2. The contents of this questionnaire are built on the Rx-360 questionnaire version 2.0 intact with no question added or deleted.

Rx-360's CEO/COO gave permission to Life Science to use the Rx-360 logo.



Merck KGaA, Darmstadt, Germany is an active member of the Rx 360 Consortium.

Merck KGaA, Darmstadt, Germany Corporation with General Partners Frankfurter Str. 250 64293 Darmstadt, Germany Phone +49 6151 72-0 Sigma-Aldrich Corporation A subsidiary of Merck KGaA, Darmstadt, Germany 3050 Spruce Street St. Louis, MO 63103, USA Phone +1 (800) 521-8956 / +1 (314) 771-5765 EMD Millipore Corporation A subsidiary of Merck KGaA, Darmstadt, Germany 400 Summit Drive Burlington, MA 01803, USA Phone +1 (781) 533-6000

Rx-360 Supplier Assessment Questionnaire : Site-Specific Information

	Please	check	here if	additiona	al documents	s are attached
--	--------	-------	---------	-----------	--------------	----------------

	SECTION 1. General Site Information
1.1	Site or Facility-Specific Name:
	Aldrich Chemical Co., LLC
	An affiliate of Merck KGaA, Darmstadt, Germany
1.2	Address:
	6000 N. Teutonia Ave.
	Milwaukee, WI 53209
	GPS Coordinates:
	Lattitude 43.127894; Longitude 87.949133
1.3	Phone:
	Please contact your local Sales representative
1.4	Email:
	Please contact your local Sales representative
1.5	Fax:
	Please contact your local Sales representative
1.6	Website:
	www.sigmaaldrich.com

	SECTION 2. General Site Operating Information						
2.1	What year did the site start operating? Aldrich began business in 1951. Purchased the Teutonia site, renovated and started moving product to the site with all operations at the site by 2013.						
2.2	What is the primary activity of the site? (e.g. manufacturing, distribution, etc.) Distribution, repacking and manufacturing						
2.3	To which, if any, subdivision of the parent company does the site belong?						

	SECTION 2. General Site Operating Information
	MilliporeSigma, a subsidiary of Merck KGaA of Darmstadt, Germany
2.4	Size of site (in sq. ft. or m.): Site with manufacturing and distribution:190,000 sq. ft on 72 acres
2.5	Please list or attach the normal hours/schedule of the facilities, including shutdown dates (if applicable): Packaging: 24 hours a day, 5 days a week, excluding National Holidays (eg. Labor Day, Christmas, etc.) Rest of the facility: 16 hours a day, 5 days a week. No shut down dates.
2.6	Total number of employees on site: 700
2.7	Total number of employees in Quality: 46
2.8	Total number of employees in Manufacturing: ~30 manufacturing, ~100 packaging
2.9	What quality management system is utilized on site? ☐ ISO 9001 ☐ ISO 13485 ☐ 21 CFR Part 210/211 ☐ 21 CFR Part 820 ☐ European GMP, Eudralex Volume 4 Part I ☐ European GMP, Eudralex Volume 4 Part II ☐ ICH Q7 ☐ HACCP ☐ ISO 22000 ☐ Other Please describe: GDP warehousing including validated temperature control for cooler and freezer, qualified equipment, QA involvement in GMP material returns. Please note, manufacturing and packaging at this site are for research grade products only. GMP material manufactured/packaged at other sites are distributed out of this site, therefore 21CFR is not followed at this site, but is followed at the manufacturing sites for these types of materials.
	Which Regulatory Initiatives does the site follow/comply with? ☐ REACH

	SECTION 2. General Site Operating Information					
	☐ RoHs ☐ Ca Prop. 65 ☐ WEEE					
2.10	Does the company/site					
2.11	Is the site registered with any government regulatory agency (FDA registration, GMP certification, etc.)? Yes No N/A If yes, please specify. FDA Registration (Food Distributor - F&F Products) USDA (distribution center only, for EU shipping requirements) US Environmental Protection Agency (RCRA hazardous waste generator) US Department of Homeland Security					
2.12	By whom is the site inspected (regulatory or third party) and list inspections within the last three years: USDA yearly audits for EU requirements DEA 2017 Milwaukee Metropolitan Sewer District 2020 FAA 2017 EPA 2018 FDA 2021					
2.13	How often, as an annual average, is the site audited by customers or third parties? 15-30					
2.14	Has an Rx-360 audit been performed at this site? Yes No Please also state the date of the audit if applicable. February 5 & 6, 2020 http://rx-360.org/audit-programs/					
2.15	Are you willing to have Rx-360 conduct an audit on behalf of your customers according to the Rx-360 audit programs on your site? Yes					
2.16	Are you willing to have your customers conduct audits on your site? Yes No					

	SECTION 2. General	Site Opera	ting Info	ormatio	n			
2.17	Please list regulatory sanctions impacting the site within the last five years (i.e. warning letters, CEP suspension, import alerts, etc.): Warning letter received from FAA in October 2017 regarding 4 boxes with improper shipping markings. (not quality related) Corrections completed. 2018 - EPA Fine: Resolved							
2.18	Does the site outsource any quality-	related activi	ity?					
	∑ Yes ☐ No ☐	N/A						
	If answering yes, please specify the	activities:						
	Selected analytical testing and calib	oration service	ees					
2.19	Please check the supplier controls in	place for th	is facility:					
2.19a	Quality Agreements with Suppliers	⊠ Yes		No	□ N/A			
2.19b	Subcontractor Qualification/Audit Program	⊠ Yes		No	□ N/A			
2.19c	Periodic Review of Supplier Performance	X Yes		No	□ N/A			
2.19d	Supplier Feedback Program	X Yes		No	□ N/A			
2.19e	Approved Material Supplier List	X Yes		No	□ N/A			
2.19f		X Yes		No	N/A			
Addit	ional comments:							
	SECTION 3. Object	ionable M	aterials	on Site				
3.1	Does the site or production plant p			<u> </u>				
	process or store any of the following	ng:	Yes	No	No Applic			
3.1a	Beta-Lactam Antibiotics]		
3.1b	Steroids and/or hormones					<u> </u>		
3.1c	High potency compounds					<u>]</u> 1		
3.1d	Materials of animal origin/Biologi	cs						

3.1e	Live virus or micro-organism		\boxtimes				
3.1f	Allergens						
3.1g	Genetically Modified Organisms (GMO)						
3.1h	Agrochemicals (Pesticides, Herbicides, Fungicides, etc.)						
3.1i	Other (Please specify):						
SECTION 4. Cross Contamination Control							
	SECTION 4. Cross Contamin	iation C	ontroi				
4.1	Are any of the following cross-			Not			
4.1		Yes	No	Not Applicable			
4.1 4.1a	Are any of the following cross-						
	Are any of the following cross-contamination controls in place?						
4.1a	Are any of the following cross- contamination controls in place? Dedicated Facilities						
4.1a 4.1b	Are any of the following cross- contamination controls in place? Dedicated Facilities Access Controls						
4.1a 4.1b 4.1c	Are any of the following cross- contamination controls in place? Dedicated Facilities Access Controls Dedicated Personnel						
4.1a 4.1b 4.1c 4.1d	Are any of the following cross- contamination controls in place? Dedicated Facilities Access Controls Dedicated Personnel Dedicated Gowning						

	SECTION 5. Site Operating Policies								
		Yes	No	Not Applicable					
5.1	Does the site utilize the following written	\boxtimes							
	policies, programs, or procedures?								
Site Sp	ecific:								
5.1a	Environmental, Health, and Safety	\boxtimes							
5.1b	Facility Environmental Control Policy	\boxtimes							
5.1c	General Facility Cleaning Procedures	\boxtimes							
5.1c	Hygiene and Sterilization Procedures								
5.1d	Validated Equipment Cleaning Procedures								
5.1e	Preventative Maintenance Program/Procedures	\boxtimes							
5.1f	Pest Control Program	\boxtimes							
5.1g	Master Production Procedure	\boxtimes							
Quality	7:								
5.1h	Quality Control/Quality Management Policy								
5.1i	Quality Manual								
5.1j	Periodic Product Quality Review	\boxtimes							
5.1k	Master Validation Plan								
5.11	Risk Assessment Program								
5.1m	Supplier Approval Procedure								
5.1n	Monitoring and Review of Approved Suppliers								

5.1o	Mechanism to Reduce Testing			
5.1p	Receiving Incoming Inspection			
5.1q	Change Control Procedures			
5.1r	Document Management Policy			
5.1s	Document Retention Policy			
5.1t	Change Notification Procedures for Clients			
5.1u	Control of Nonconforming Material			
5.1v	Deviation/Investigation Procedure			Ħ
5.1w	Out of Specification Policy and Procedure			Ħ
5.1x	Sampling Procedure/Sampling Plan			Ħ
5.1y	Raw Material Retention Program			
5.1z	CAPA Procedure			
5.1aa	Label Control and Accountability			
5.1bb	Product Release Procedure			
5.1cc	Employee Training Program			
5.1dd	Stability, Expiration, and Shelf-Life Program			
5.1ee	Product Retention Program			Ħ
5.1ff	Recall Procedure			
5.1gg	Customer Complaint Handling			
5.1hh	Equipment validation/qualification procedure			
5.1ii	Internal audit/self-inspection program procedure			
5.1jj	Site Security/Site Access Control Policies	\square		
5.1kk	New Hire Program/Induction Program			Ī
Business	Continuity/Contingency Plan:	<u> </u>		
5.111	Disaster Recovery Plan			
5.1mm	Pandemic Preparedness Plan			
5.1nn	Supply Chain Emergency Preparedness Plan			
5.100	Business Continuity/Contingency Plan			
5.1pp	Can the company provide a plan upon request? Cobelow: 87991674-LS Epidemic and Pandemic Response 12726232-LS Emergency Contingency and Evac 33795848-LS Business Continuity Plan for Sheb	euation Pla	ın	

	SECTION 6. Quality Assurance and Production						
		Yes	No	Not Applicable			
6.1	Does the site have an independent and defined Quality Assurance/Quality Management Division?	\boxtimes					
6.2	Does QA/QM have authority over the following:	\boxtimes					
6.2a	Policies and procedures?	\boxtimes					

SECTION 6. Quality Assurance and Production						
		Yes	No	Not Applicable		
6.2b	Review of documentation for release?		\boxtimes			
6.2c	Release or rejection of incoming materials?	$\overline{\square}$				
6.3	Does QA/QM investigate and resolve quality complaints?	$\overline{\boxtimes}$				
6.4	Does QA/QM investigate and resolve internal deviations?					
6.5	Does the QA/QM have the authority to assign a disposition to materials?					
6.6	Does the QA/QM review manufacturing and testing records prior to release?					
6.7	Does the facility utilize computerized systems for managing GxP activities or data?					
6.8	Are relevant computerized systems 21 CFR part 11 and EU GMP annex 11 compliant?					
6.9	Does the site use statistical methods for consistency and uniformity?					
6.10	Does the site use controlled documents for following and recording manufacturing instructions?					
6.11	Does the company qualify and/or validate manufacturing procedures?					
6.12	Is any environmental monitoring conducted in production/finishing areas?					
6.13	Does the site supply BSE/TSE declarations?			\boxtimes		
6.14	Does the site supply a declaration of Elemental Impurities?			\boxtimes		
6.15	Are ICH Q3C(R4) solvents used in the manufacturing process of supplied materials?					
6.16	Are stability studies carried out according to ICH guidance?		\boxtimes			
6.17	Are solvents and mother liquor reused/recycled?					
6.18	Does the site have a process water treatment system?	$\overline{\boxtimes}$				
6.18a	Please check all that apply to the system: City/potable water Distilled water Dionized water Water for injection (WFI) Reverse Osmosis Clean steam Ultra-filtrated water (purified water) Other:					
6.19	Does the plant have a batch/lot system?	\boxtimes				
6.19a	Is the system traceable?	\boxtimes				
6.19b	Is it unique?					

SECTION 6. Quality Assurance and Production						
	•		Yes	No	Not Applicable	
6.19c	Is batch/lot manufacturing continuous?			\boxtimes		
6.19d	Is manufacturing batch by batch?		\boxtimes			
6.20	Does the site perform on-plant audits prior to approving critical GxP suppliers?					
6.21	Does the site audit critical GxP suppliers after initial approval?					
6.22	Does the site inspect incoming materials?		\boxtimes			
6.23	Does the site test incoming materials to defined specifications?					
6.24	Does the site establish purchase specifications for raw materials?		\boxtimes			
6.25	Is the equipment multi-use?		\boxtimes			
6.26	Does the site qualify equipment installation?		$\overline{\boxtimes}$			
6.27	Does the site qualify equipment operation?					
6.28	Does the site qualify equipment performance?					
6.29	Are production critical use instruments calibrated regularly?	?	$\overline{\boxtimes}$			
6.30	Is rework allowed?					
6.31	Is reprocessing allowed?		\boxtimes			
6.32	Are manufacturing and packaging activities traceable to the equipment, areas, and materials used?		\boxtimes			
6.33	Are production materials handled and stored in a manner to prevent degradation, contamination and cross-contamination	n?	\boxtimes			
6.34 If answering 'not applicable' for any of the above, please elaborate: No manufacturing or package of GxP goods occurs at this site. They are only distributed, and the GMP materials distributed from the site are not opened on this site.						
	nal Comments: 6.2b and 6.6 - Quality review occurs over the			ords (incoming	
_	of raw materials), but not over the production/packaging reco					
6.25 - Most equipment is multi-use, however there are some production glassware that is						
dedicated to specific products.						
6.7 GDP are the only GxP regulatory requirements at this facility.						
	CECTION 7 I al			A P	. 41. * 6.4	
	SECTION 7. Laboratory Procedures	<u> </u>			r this Site	
	Yes		No	N	ot Applicable	

	SECTION 7. Laboratory Procedures		☐ N/A for this Site			
		Yes	No	Not Applicable		
7.1	Does the site have standard procedures for sample handling/tracking?	\boxtimes				
7.1a	Does the site have standard procedures for retaining samples?			\boxtimes		
7.1b	Does the site have standard procedures for retesting samples?	\boxtimes				

	SECTION 7. Laboratory Procedures	☐ N/A for this Site						
		Yes	No	Not Applicable				
7.2	Does the site have written and approved specifications and test methods?							
7.3	Are laboratory instruments calibrated regularly?							
7.4	Is there a standard procedure in place for analytical method development?							
7.5	Does the site qualify and/or validate analytical test procedures?	\boxtimes						
7.6	Does the site perform stability testing on materials and/or products?		\boxtimes					
7.7	Are retention samples of key raw materials maintained?		\boxtimes					
7.8	Are standards traceable to their preparation and reagents used?	\boxtimes						
7.9	Are retention samples of finished product maintained?							
7.10	Are shelf life/retest/expiration dates available and standardized?							
7.11	Does the company provide a certificate of analysis (CoA) and/or a Certificate of Conformation/Compliance (CoC) for each lot or batch?							
7.12	Does the CoA/CoC contain the manufacture name and location?		\boxtimes					
7.13	Does the CoA/CoC signed/e-signed by a Quality representative?	\boxtimes						
7.14	If a repacker performs analyses, will the CoA reflect both the original manufacturing site data as well as the repacking site data?							
7.15	If answering 'not applicable' for any of the above, please elaborate: 7.1a and 7.10 Because most products are research grade, no shelf life studies have been performed and there is no requirement for retention samples. Retest requirements, shelf life and expiration dates are taken from the supplier data.							
7.16	Additional Comments: 7.4 Because there are so many products, the development of analytical methods needs to vary, therefore there is not one single SOP that outlines the procedure for analytical method development. Because we are not a GMP facility, test methods are not validated and samples are not retained. However, with a custom chemical agreement, validation of test methods and/or retention samples may be contracted into the cost of the custom agreement.							

S	ECTION 8. Packaging, Storage, and Trans	☐ N/A for this Site					
		Yes	No	Not Applicable			
8.1	Does the site have a validated or qualified labeling system?	\boxtimes					
8.2	Are batch production records retained and available?	\boxtimes					
8.3	Are packaging and labeling areas separate from production?	\boxtimes					
8.4	Are barcode readers in use and challenged regularly?	\boxtimes					
8.5	Are vision systems in use?		\boxtimes				
8.6	Is product ever packaged without a label being initially applied (i.e. bright stocking)?		\boxtimes				
8.7	Do labels include shelf life/expiration dates?	\boxtimes					
8.8	Do labels include lot/batch number?	\boxtimes					
8.9	Do labels include requirements for storage conditions?						
8.10	Is tamper evident seal used for each container of supplied materials?	\boxtimes					
8.11	Does the company use a First-In-First-Out or First-Expiration-First-Out system?	\boxtimes					
8.12	Does the company maintain appropriate storage conditions?	\boxtimes					
8.12a	Are those storage conditions monitored and documented?	\boxtimes					
8.13	Does the site make available a description of storage and/or warehouse conditions?	\boxtimes					
8.14	Does the site distribute products via a third party?	\boxtimes					
8.15	Are good distribution policies implemented?	\boxtimes					
8.16	Are transport mechanisms dedicated?						
8.17	Does the company validate shipping method?						
8.18	Does the company validate packaging methods?						
8.7 Whe	nal Comments: en applicable.	£ 1: .4:1	4: t £ .				
8.14 There are some 3PL agreements, however the majority of distribution is from our distribution center.							
		nerforme	d				
8.17 Validation of temperature control during shipping is not performed.							

I (Supplier)	confirm	that the i	information	n provided	in this	questionna	aire is	correct	and	can l	эe
verified.											

Date:12th April 2022

Title:Associate QA Manager