## Millipore SigMa

## **M-Clarity<sup>™</sup> Program**

Discriminating Quality Attributes List

ISO 9001     I<	√ √ √ √ √
ISO 13485 (Different classes)   ISO 13485 (Different classes)     ICH Q7     Specifications available   ✓   ✓   ✓   ✓     Certificate of Quality or Certificate of Analysis available   ✓   <	√
Specifications available✓✓✓✓✓Certificate of Quality or Certificate of Analysis available✓✓✓✓✓Release testing - performed using established protocol✓✓✓✓✓✓Written SOP for process control✓✓✓✓✓✓✓Supplier approval process in line with corporate quality programs✓✓✓✓✓✓✓Change notification available as an opt-in for individual products. Notifiable events differ between MQ levels.✓✓ <td< td=""><td>√</td></td<>	√
Certificate of Quality or Certificate of Analysis available✓✓✓<	-
Release testing - performed using established protocol   /   /   /   /     Written SOP for process control   /   /   /   /   /     Supplier approval process in line with corporate quality programs   /   /   /   /   /     Change notification available as an opt-in for individual products. Notifiable events differ between MQ levels.   /   /   /   /   /     Release testing - performed using established or published protocol   /   /   /   /   /   /     Site quality self-assessment available   /   /   /   /   /   /   /     Shelf Life/Expiration date is identified if applicable   /   /   /   /   /   /   /     Product can be added to a Quality Agreement   /   /   /   /   /   /     Analytical method may be shared upon request   /   /   /   /   /   /     Quality declarations as required by regulation or product application   /   /   /   /   /     Process control is verified   /   /   /   /   /   /	~
Written SOP for process control✓✓✓✓✓Supplier approval process in line with corporate quality programs✓✓✓✓✓Change notification available as an opt-in for individual products. Notifiable events differ between MQ levels.✓✓✓✓✓Release testing - performed using established or published protocol✓✓✓✓✓✓Site quality self-assessment available✓✓✓✓✓✓✓Shelf Life/Expiration date is identified if applicable✓✓✓✓✓✓Physical audits can be requested by customer✓✓✓✓✓✓Analytical method is verified✓✓✓✓✓✓Quality declarations as required by regulation or product application✓✓✓✓✓Process control is verified✓✓✓✓✓✓Process control is verified✓✓✓✓✓Process control is verified✓✓✓✓✓Process control is verified✓✓✓✓✓Process control is verified✓✓✓✓✓Original manufacturer disclosure may be requested with signed confidentiality commitment✓✓✓Original manufacturer disclosure may be requested with signed confidentiality commitment✓✓✓	
Supplier approval process in line with corporate quality programs   ✓	$\checkmark$
programsChange notification available as an opt-in for individual products. Notifiable events differ between MQ levels.✓✓✓✓Release testing - performed using established or published protocol✓✓✓✓✓Site quality self-assessment available✓✓✓✓✓✓Shelf Life/Expiration date is identified if applicable✓✓✓✓✓✓Physical audits can be requested by customer✓✓✓✓✓✓Product can be added to a Quality Agreement✓✓✓✓✓✓Analytical method may be shared upon request✓✓✓✓✓Quality declarations as required by regulation or product application✓✓✓✓Process control is verified✓✓✓✓✓Original manufacturer disclosure may be requested with signed confidentiality commitment✓✓✓	$\checkmark$
products. Notifiable events differ between MQ levels.Release testing - performed using established or published protocol✓✓✓Site quality self-assessment available✓✓✓Shelf Life/Expiration date is identified if applicable✓✓✓Physical audits can be requested by customer✓✓✓Product can be added to a Quality Agreement✓✓✓Analytical method is verified✓✓✓Quality declarations as required by regulation or product application✓✓Process control is verified✓✓V✓✓Original manufacturer disclosure may be requested with signed confidentiality commitment✓✓	1
published protocolImage of the series of the se	$\checkmark$
Shelf Life/Expiration date is identified if applicable   ✓   ✓   ✓     Physical audits can be requested by customer   ✓   ✓   ✓     Product can be added to a Quality Agreement   ✓   ✓   ✓     Analytical method is verified   ✓   ✓   ✓     Analytical method may be shared upon request   ✓   ✓   ✓     Quality declarations as required by regulation or product application   ✓   ✓   ✓     Process control is verified   ✓   ✓   ✓   ✓     Supplier approval by paper audit or questionnaire   ✓   ✓   ✓   ✓     Original manufacturer disclosure may be requested with signed confidentiality commitment   ✓   ✓   ✓	√
Physical audits can be requested by customer   ✓   ✓   ✓     Product can be added to a Quality Agreement   ✓   ✓   ✓     Analytical method is verified   ✓   ✓   ✓     Analytical method may be shared upon request   ✓   ✓   ✓     Quality declarations as required by regulation or product application   ✓   ✓   ✓     Process control is verified   ✓   ✓   ✓     Supplier approval by paper audit or questionnaire   ✓   ✓   ✓     Original manufacturer disclosure may be requested with signed confidentiality commitment   ✓   ✓   ✓	$\checkmark$
Product can be added to a Quality Agreement   ✓   ✓   ✓     Analytical method is verified   ✓   ✓   ✓     Analytical method may be shared upon request   ✓   ✓   ✓     Quality declarations as required by regulation or product application   ✓   ✓   ✓     Process control is verified   ✓   ✓   ✓     Supplier approval by paper audit or questionnaire   ✓   ✓   ✓     Original manufacturer disclosure may be requested with signed confidentiality commitment   ✓   ✓	$\checkmark$
Analytical method is verified   ✓   ✓     Analytical method may be shared upon request   ✓   ✓     Quality declarations as required by regulation or product application   ✓   ✓     Process control is verified   ✓   ✓     Supplier approval by paper audit or questionnaire   ✓   ✓     Original manufacturer disclosure may be requested with signed confidentiality commitment   ✓   ✓	$\checkmark$
Analytical method may be shared upon request   ✓   ✓     Quality declarations as required by regulation or product application   ✓   ✓     Process control is verified   ✓   ✓     Supplier approval by paper audit or questionnaire   ✓   ✓     Original manufacturer disclosure may be requested with signed confidentiality commitment   ✓   ✓	$\checkmark$
Quality declarations as required by regulation or product application   ✓   ✓     Process control is verified   ✓   ✓     Supplier approval by paper audit or questionnaire   ✓   ✓     Original manufacturer disclosure may be requested with signed confidentiality commitment   ✓   ✓	$\checkmark$
Process control is verified ✓ ✓   Supplier approval by paper audit or questionnaire ✓ ✓   Original manufacturer disclosure may be requested with signed confidentiality commitment ✓ ✓	$\checkmark$
Supplier approval by paper audit or questionnaire   ✓   ✓     Original manufacturer disclosure may be requested with signed confidentiality commitment   ✓   ✓	$\checkmark$
Original manufacturer disclosure may be requested with signed confidentiality commitment	$\checkmark$
signed confidentiality commitment	~
Controls for subcontracting are established $\checkmark$ $\checkmark$	1
	$\checkmark$
Primary packaging component control 🗸 🗸	~
Original manufacturer disclosure available with signed 🗸	1
Analytical method is validated	$\checkmark$
Process control is validated 🗸	$\checkmark$
Supplier approval by on-site audit for critical suppliers 🗸	~
Shelf life/Expiration Date is defined by stability study ✓	$\checkmark$
Original manufacturer disclosure available without confidentiality commitment	1
Risk Based approach to controlled conditions for warehouse & shipping	1



The life science business of Merck KGaA, Darmstadt, Germany operates as MilliporeSigma in the U.S. and Canada.

© 2019 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. MilliporeSigma and the vibrant M are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources. 2019 - 26891 12/2019