





Fraunhofer TESTED® DEVICE Canline Systems B.V. Canline magnellow Report No. CA 2404-1511

Statement of Qualification

Single product
Particle Emission

Statement of Qualification • Single product

Customer	Canline Systems B.V. Meerheide 216 5521 DW Eersel The Netherlands	Test result / Classification	When operated under the specified test conditions, the conveyor system Canline magnellow without safety cover is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Class according to ISO 14644-1:	
			Test parameter(s)	Air Cleanlines Class
Component tested			Conveying length: I = 2679 mm	
Category:	Automation Components		Conveying width: $w = 63 \text{ mm}$ Minimal Conveying height: $h_{min} = 702 \text{ mm}$	
Subcategory:	Transfer Systems and Bearing		Maximal Conveying height: $h_{max} = 1594 \text{ mm}$ Velocity: $v = 12 \text{ m/min}$ Acceleration: $a = 0.01 \text{ m/s}^2$	5
Product name:	Canline magnellow (manufacturing date: 1/30/2023; color: gray/white; article number: 10232345; weight: 116kg)		Overall result	
	10252545, Weight. 110 Kg/		Please note: Transport damages, incorrect install	ation oil leakage aging

Random sampling of particle emissions (airborne) at representative sites

Standards/Guidelines:	ISO 14644-1, -14 The norms stated generally refer to the version valid at the time of the tests.
Test devices:	Optical particle counter: LasAir II 110 and LasAir III 110 with measuring ranges $\geq 0.1 \mu\text{m}$, $\geq 0.2 \mu\text{m}$, $\geq 0.3 \mu\text{m}$, $\geq 0.5 \mu\text{m}$, $\geq 1.0 \mu\text{m}$ and $\geq 5.0 \mu\text{m}$
Test environment parameters:	 Cleanroom Air Cleanliness Class (according to ISO 14644-1):
Test procedure parameters:	• Conveying length:

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The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

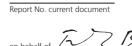
Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

CA 2404-1511 Report No. first document

Department of Ultraclean Technology and Micromanufacturing

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on behalf of Dr.-Ing. Frank Bürger, Project Ma

Please note: Transport damages, incorrect installation, oil leakage, aging behavior, corrosion etc. can influence the test result.

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	product in it
Stuttgart, April 19, 2024	and is valid
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