





Fraunhofer TESTED[®] DEVICE Parteco S.r.l. Parteco PST and CIS system Report No. PA 2410-1571

Statement of Qualification

Single product Particle Emission in Cleanroom (atmospheric)

Statement of Qualification • Single product

Customer	PARTECO S.r.l. via L. Negrelli, 65/67 20851 Lissone Italy	Test result / Classification	When ope 22 °C ± 0.5 system is s following J	When operated under the specified test conditions (room temperature: $22 ^{\circ}C \pm 0.5 ^{\circ}C$; relative humidity: $45 \% \pm 5 \%$), the Parteco PST and CIS system is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Classes according to ISO 14644-1:		
			Test para	ameter(s)	Air Cleanlines Class	
Component tested			Structure Inside me	-borne noise = approx. 50Hz asurement	2	
Category:	Cleanroom Facilities		Structure Outside n	-borne noise = approx. 50Hz neasurement	1	
Subcategory:	Wall/Ceiling/Hoor/Door		Overall r	esult	2	
Product name:	 Parteco PST and CIS system (manufacturing date: 10/2024; color ceiling panel: RAL9010); includes the following objects PST.LAF / PST partition wall panel constructed with High Pressure Laminate (HPL) having melaminic aminoplastic resins exposed surface Anodized aluminium profiles Polycarbonate 3-way joints for profiles, polyester powder coated VC33TS window with double 3+3 safety glasses B1PSI / door with High Pressure Laminate (HPL) leaf panel, anodised aluminium doorframe with EPDM gasket seal, hidden hinges and floor seal CIS.ACC false ceiling constructed with anodized aluminium profiles frame and PVC pre-coated steel ceiling panels U-seal 550FC / Sealant 		Please not corrosion e	e: Transport damages, incorrect install etc. can influence the test result.	ation, aging behavior,	
Random sampling of particle emissions (airborne)	at representative sites in cleanroom under atmospheric conditions					
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 $\geq 0.1 \mu$ m, $\geq 0.2 \mu$ m, $\geq 0.3 \mu$ m, $\geq 0.5 \mu$ m, $\geq 1.0 \mu$ m and $\geq 5.0 \mu$ m					
	 Cleanroom Air Cleanliness Class (according to ISO 14644-1):ISO 1 Airflow velocity:0.45 m/s Airflow pattern:vertical laminar flow Room temperature:	The measuring devices used for the qualific and international standards. In cases where regulations and norms applicable at the tim Detailed information and parameters of the	ication tests are calibrated at regular intervals; their results can be traced back to national re no national standards exist, the test procedure implemented complies with the technical me of the test. The relevant documentation can be viewed on request at any time. he test environment can be found in the Fraunhofer IPA test report.			
Test procedure parameters:	 Structure-borne noise:	Fraunhofer Institute for Manufacturing Engineering and Automation IPA Department of Ultraclean Technology and Micromanufacturing	PA 2410-1571 Report No. first document	Stuttgart, December 6, 2024 Place, date of first document issued	This document only applies to the named product in its original s and is valid for a period 5 years from the date t first document was issu The document can be	



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

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