

Fraunhofer

TESTED® DEVICE

Tarkett AB iQ Granit **Report No. TA 1501-744**

Statement of Qualification

Riboflavin Test





Statement of Qualification

Customer: Tarkett AB

> Ekenäsvägen 1 372 73 Ronneby Sweden

Component tested

Cleanroom Facilities Category:

Subcategory: Wall, Ceiling, Floor

Product name: iQ Granit

(manufacturing date: 27/11/2014; color: 383|grey; serial number: 3040383;

batch number: 2151767)

Cleanability test (riboflavin test)

Standards/Guidelines:

Test environment parameters:

Test procedure parameters:

VDMA Information Sheet »Riboflavin test for low-germ or sterile process technologies - Fluorescence test for examination of cleanability«; ISO 4628-1; VDI 2083-17. The norms stated refer to the relevant editions applicable at the time of the tests.

Laboratory

	.0.2 g riboflavin, 5 g hydroxethylcellulose
	in 1000 ml ultra-pure water
 Application of test solution: 	pump spray
Drying time:	ca. 2 h
• Standardized cleaning with linea	r wiping simulator (LiWiS)
– Standard mass:	m = 1 kg (Aluminium)
– Pressure applied:	p = 1 x 10 ⁻³ N/mm ²
Velocity:	v = 1 m/s
Cleaning accessories:	looped microfiber cloth
	(75 % polyester, 25 % polyamide)
Cleaning medium:	ultra-pure water
Number of wiping cycles:	3
	3
• LIV/ light:	1 - 266 nm

Cleanability can only be assessed qualitatively and is assessed based on the amount and size of defects occuring.



Test result/Classification:

(based on VDMA information sheet)

Residual fluorescence has been classified on the basis of a worst-case consideration. In the process, the following assessment was made according to the classification system used in ISO 4628-1 and VDI 2083-17:

Test object	Result
iQ Granit (color: 383 grey; serial number: 3040383; batch number: 2151767)	0 = excellent

0 = excellent3 = weak1 = very good 4 = very weak2 = good5 = none

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.

For further information about the test environment and parameters, please refer to the Fraunhofer IPA test report.

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Stuttgart, April 9, 2015

Place, date of first document issued

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