



Fraunhofer

**TESTED[®]
DEVICE**

Roxtec International AB
LABSEAL C LTX
Report No. RO 2508-1666

DUPLICATE

Statement of
Qualification

Single product
Riboflavin Test
(Equipment)

Customer	Roxtec International AB Rombvägen 2 37165 Lyckeby Sweden
Tested product	
Category:	Cleanroom Facilities
Subcategory:	Wall/Ceiling/Floor/Door
Product name:	LABSEAL C LTX WITH COUNTER FRAME 0-40 (manufacturing date: fourth quarter of 2024; color: white; article number: 241407)

Cleanability test (riboflavin test)	
Standards/guidelines:	VDMA information sheet »Riboflavin test for low-germ or sterile process technologies – Fluorescence test for examination of cleanability«. The norms stated generally refer to the version valid at the time of the tests.
Test environment parameters:	Laboratory
Test procedure parameters:	• Test solution:0.2 g riboflavin, 1 g hydroxethylcellulosein 1000 ml ultrapure water • Application of test solution:..... pump spray • Drying time: approx. 2 -3 h • Cleaning method:..... wiping • Cleaning medium:ultrapure water • Number of wiping cycles: 3 • UV-light:$\lambda = 366\text{ nm}$ The cleanability is examined and assessed qualitatively. The assessement based on the amount and size of defects occuring.

Test result / Classification	The LABSEAL C LTX WITH COUNTER FRAME 0-40 (color: white) can be cleaned good using a simple wiping procedure with ultrapure water. However, the fluorescence test identified some critical areas. These areas have to be cleaned especially thoroughly or using a more complex procedure, e.g. by removing certain parts before cleaning.				
	<table><tr><th>Product</th><th>Assessment of cleanability</th></tr><tr><td>LABSEAL C LTX WITH COUNTER FRAME 0-40</td><td>good</td></tr></table>	Product	Assessment of cleanability	LABSEAL C LTX WITH COUNTER FRAME 0-40	good
Product	Assessment of cleanability				
LABSEAL C LTX WITH COUNTER FRAME 0-40	good				
	The ability to clean the LABSEAL C LTX WITH COUNTER FRAME 0-40 effectively could be improved by eliminating most of the depressions or undercuts.				

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	RO 2508-1666 Report No. first document	Stuttgart, September 24, 2025 Place, date of first document issued
Business unit Testing and Certification	-- Report No. current document	-- Place, current date
Nobelstrasse 12 70569 Stuttgart Germany	on behalf of Dr.-Ing. Frank Bürger, head of business unit Testing and Certification	