

Technical Datasheet

Article:	Test Ink Blue
Standard:	ASTM F1929 DIN EN ISO 11607-1
Article number:	OF11607BPIP
Pack size:	100 ml, 250 ml, 500 ml, 1 l

Physical properties

Viscosity	0,90 - 1,10	mPa s
pH-Value	6 - 8	
Density	0,9 - 1,1	g/ml
Dynamic surface tension (50 ms bubble lifetime)	30 - 33	mN/m
Static surface tension (10 s bubble lifetime)	28 - 30	mN/m
HLB (Surfactant)	13,3	
CMC (Surfactant)	52	ppm

- The composition of the test ink complies with the requirements of the ASTM F1929:2023 standard. This is a test method for detecting leaks in sealing edges between film and porous materials in medical packaging.
- With the classification of the surfactant "Triton X-100" as a 'substance of very high concern' in 2021, the ASTM F1929 standard was updated. The new requirements are met by the REACH-compliant surfactant "Tergitol 15-S-9".

Shelf life

- A preservative is used to ensure a shelf life of two years. This does not affect the functionality according to ASTM F1929.

Storage

- Store the product in a dry place and out of sunlight.

Application – Method A

- Pour enough liquid into the packaging so that 5 mm of liquid is above the longest edge of the packaging
- Allow the ink to take effect in accordance with the standard and check the packaging for leaks
- If necessary, add additional liquid and turn the packaging until all edges have been checked

Application – Method B

- Fill up a container with the ink to a minimum level of 3 - 6 mm and briefly immerse the edge that has to be tested
- Allow the ink to take effect in accordance with the standard and check the packaging for leaks

Application – Method C

- Carefully push back the unsealed edge and place ink along the sealing between the two materials
- Rotate small packaging, otherwise repeat the ink application on the other edges
- Allow the ink to take effect in accordance with the standard and check the packaging for leaks

Please note: The exact test procedure according to ASTM F1929:2023 is described in the official document.