

## Technical Datasheet

Article:	Test Ink blue
Standard:	ASTM F1929   DIN EN ISO 11607-1
Article number:	OF11607BPIP1
Pack size:	100 ml, 250 ml, 500 ml, 1 l

### Physical Information

viscosity:	0,9 – 1,1	[mPa s]
pH-value:	6 - 8	
density:	0,9 – 1,1	[g ml <sup>-1</sup> ]
dynamic surface tension:	28 - 34	[mN m <sup>-1</sup> ]

- The composition of the test ink matches the criteria of the standard ASTM F1929. This is a testing method for detecting and locating leaks in package edge seals formed between a transparent film and a porous sheet material.

### Composition

- The suggested wetting agent Triton X-100 was replaced by Tergitol™ 15-S-9, because of its classification as “substance of very high concern” in the year 2021. According to that the product is compliant with REACH.
- The dye penetrant solution consists of 99,3 % of water, 0,50 % of wetting agent, 0,15 % preservative and 0,05 % of Toluidine Blue

### Durability

- A preservative is used to guarantee two years of durability. The functionality according ASTM F1929 is still ensured.

### Storage

- The container should be stored in a dry place under exclusion of sunlight.

### Usage

- The package should be filled with sufficient dye penetrant to cover the longest edge to a depth of approximately five millimetres.
- Allow contact for at least five seconds, but not longer than 20 seconds to detect leakages. Beyond the maximum of time, wicking of dye through the porous packaging will colour the entire seal.
- Rotate the package to expose each seal edge to the dye penetrant solution. Inject additional dye as needed.
- Visually examine the seal area through the transparent side of the package.