

## Clearance Certificate for Pano Metal Caps with Blueseal®

We, Pano Verschluss GmbH, 25524 Itzehoe, hereby confirm:

**Pano metal caps with Blueseal®-Compound** (Provalin®) for glass jars are suitable in principle for aqueous, alcoholic, and fatty food stuffs. The food stuffs in the jars which were closed with our products have an extensive shelf life. The possible applications for our closures are derived from the cap specification detailed in the product data sheet and the migration data results for the relevant compound used.

In terms of suitability and composition, Pano closures meet the relevant current regulations under EU law.

These, in particular, are:

*Regulation (EC) No 1935/2004* on materials and articles designated for contact with food (so-called „Framework Regulation for Articles of Daily Use“) Article 3 und Article 17.

*Regulation (EC) No 1895/2005* on the restricted use of specific epoxy derivatives in materials and articles, which are designated for contact with foods.

*Regulation (EC) No 2023/2006* regarding good manufacturing practice for materials and articles designated for contact with foods.

*Regulation (EC) No 1907/2006* (REACH); there are no substances listed in the Annex XIV (SVHC) above 0,1% in our products.

For the composition of the compounds following is applicable:

*Regulation (EU) No 372/2007* laying down transitional migration limits for plasticizers in gaskets in lids intended to come into contact with foods.

*Regulation (EU) No 10/2011* ... regarding materials and articles designated for contact with food.

*Regulation (EU) No 2018/213* on the use of bisphenol A in varnishes and coatings.

For dedicated interior systems the products fulfill the requirements of the

*French law No 2012-1442* for the suspension of the manufacturing, import, export and marketing of all packaging for human food containing Bisphenol A.

The **Pano metal caps with Blueseal®-Compound** (Provalin®) contain the following raw materials:

*Tinplate:* according to DIN EN 10333.

*Inside and outside lacquers and printing inks:*

All lacquers and printing inks are specifically balanced for the use in food packaging and are in compliance with EuPIA/CEPE list of exclusions. As well our closures meet the requirements for heavy metals as defined in the specification Guideline 94/62/EC, Article 11.

All inside lacquers comply with the Council of Europe Resolution AP 2004/1 as well as CEPE, Code of Practice.

*Plastic seals based on the type series Provalin®* (Blueseal®) from Actega DS GmbH, Bremen, Germany:

Regarding legal limits for migration please review the data-sheet for the compound attached. For these TPE-based sealing compounds, we have Clearance Certificates from the manufacturer, Actega DS GmbH. The detailed composition of these compounds are regarded as Trade Secrets and are not available to the public. According to their agreement, the detailed composition will be shared with independent testing laboratories and relevant authorities under request. By meeting the requirements of the regulations defined herein, we fulfil our due diligence regarding the safe use of the packaging products we supply. The user is obligated to test the suitability of our closures and the remainder of the packaging material for the dedicated food stuff to ensure compatibility. Furthermore we shall not be responsible for the change in the quality of the food stuff, which may be caused as a result of the interactive changes between the food stuff or its components and the packaging material or its components used, provided such changes could not have been foreseen by us.

We agree to notify our customers immediately in cases of relevant food law-related changes impacting the materials used in our production.

Itzehoe, Germany, 9<sup>th</sup> May 2018  
Pano Verschluss GmbH



W. Eberhardt  
General Manager