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|  | <p>THE REGIONAL PUBLIC HEALTH AUTHORITY IN POPRAD Zdravotnícka 3, 058 97 Poprad</p> <p>The National Reference Laboratory for materials intended to come into contact with foodstuffs</p> |  |
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Assessment of safety of materials intended to come into contact with drinking water Nr. 5/2018

- Customer :** Swiss Aqua Technologies SK s.r.o.
Šebastovská 2
080 06 Prešov
SLOVAKIA
- Date of issue :** 16.02.2018
- Sample title :** **IPS Kalyxx device**
(modifications RedLine, BlueLine, GreenLine)
- Producer :** Swiss Aqua Technologies SK s.r.o.
- Application :** *for direct permanent contact with drinking water (physical treatment of water - prevention of water formation and corrosion at the point of consumption)*

Submitted documentation :

1. Atest ITC, a.s., Zlín nr. 472109273 dated on 13.05.2016 on product – circular steel type 1.4307/1.4301 produced by Marcegaglia S.p.A., Italy.
2. Specification of sealing materials – EPDM produced by Armat spol. s r.o., ČR.
3. Certificate nr. A80026535 by company Peter Jarabica Servis Metal on material 3061100 – Sheets CW508L.
4. Certificate of Technical and Testing Construction Institute of Praha, s.p. nr. 7-3484 dated 12.4.1999 on product – zinc-titanium sheets and strips marked D-Zn (č. 2.2203) according DIN 17 770 produced by MZ SILESIA, a.s., Poľsko and NedZink B.V., Netherlands.
5. Technical specification of product HOSTAFORM[®] C9021/POM/Unfilled produced by Ticona.
6. Laboratory analysis results and assessment of safety of materials intended to come into contact with drinking water issued by RÚVZ in Poprad nr. 50 – 55/2018 dated on 14.02.2018 on product - silver plated planes for IPS Kalyxx device produced by company Swiss Aqua Technologies SK s.r.o.

Assessment of safety of materials intended to come into contact with drinking water

Silver plated planes for IPS Kalyxx device (modifications RedLine, BlueLine, GreenLine) was laboratory tested in accredited laboratory in Regional Public Health Authority with residence in Poprad from the point of view of its effects on the quality of potable water in accordance with the following requirements :

- *Act No. 355/2007 Coll. on protection, support and development of public health and amendment and supplementing to some acts*

and in accordance with the requirements of the

- *Ministry of Health of The Slovak republic Decree No. 550/2007 Coll. laying down the details of the requirements for the products intended for contact with potable water and*
- *Ministry of Health of the Czech republic Decree No. 409/2005 Coll. on hygienic requirements for products that come into direct contact with water and water treatment.*

In examined parameters – content of Ag and sensory assessment meets the third 72-hour extract of the sample - silver plated planes for IPS Kalyxx device to the water at temperature 23°C the requirements of :

- *Ministry of Health Decree of The Slovak republic No. 247/2017 laying down details on drinking quality water, quality control of drinking water, monitoring and risk management program at supply and*
- *Ministry of Health of the Czech republic Decree no. 252/2004 Coll. laying down hygienic requirements for drinking and warm water and the abundance and range of drinking water control.*

From the submitted documentation, the materials used for the production of IPS Kalyxx: stainless steel 1.4301, POM, EPDM sealing, TiZn sheet, CuZn37 sheet and silver-plated planes meet the requirements of the § 9 of *Ministry of Health of the Czech republic Decree no. 409/2005 Coll. on hygienic requirements for products that come into direct contact with water and water treatment.*

The required maximum value of 10% of the hygienic limits set by the *Ministry of Health of the Czech republic Decree no. 252/2004 Coll.* and *Ministry of Health Decree of The Slovak republic No. 247/2017* was not exceeded in the examined parameters.

Following the laboratory examination results and the submitted documentation - in term of the health protection – **IPS Kalyxx device (modifications RedLine, BlueLine, GreenLine)** produced by company Swiss Aqua Technologies SK s.r.o. **meets the requirements** of *Act No. 355/2007 Coll. on protection, support and development of public health and amendment and supplementing to some acts* and *Act No. 258/2000 Coll. on the protection of public health and on the amendment of some related laws* **and is suitable for direct contact with drinking water** (physical water treatment - prevention of water formation and corrosion at the point of consumption).



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