

Water parameters and data

Swimming water parameters	NoviNato			Legislation		
	<i>data in one of the new construction 25m-pools***</i>	NoviNato range values	<i>NoviNato average result renovations **</i>	legislation (Flanders/ Belgium)*	<i>your legislation?</i>	<i>your ambition?</i>
free available chlorine (mg/l)	0,30 <i>Range 0.27-0.37</i>	0,20 – 0,40	0,37	0,2* 0,5 – 1,5		
bound chlorine (mg/l)	0,13 <i>Range 0.05-0.21</i>	< 0,3	0,21	< 0,6		
pH	7,06 <i>Range 6.97-7.26</i>	6,9 – 7,2	7,05	7,0 – 7,6		
redox (mV)	795 <i>Range 741-833</i>	min. 700 > 750	735	-		
copper (mg/l)	<i>More data on new constructions on request</i>	0,2 – 0,5	0,325	< 0,8		
bicarbonate (mg/l)		100 – 250	158	> 60		
conductivity (µS/cm)		< 2000	1051	< 3200		
THM air (µg/m ³)		< 150	103	300 (max. 500)		
Waste water parameters		NoviNato range values	<i>NoviNato average result renovations **</i>	legislation (Flanders/ Belgium)		
chlorate (mg/l ClO ₃)		< 10	8,22	-		
AOX (µg/l)		< 400	156	-		

*the traditional limits were changed in July 2019 by the Health Agency to a lower limit of **0,20 ppm**. Only allowed when using the NoviNato-disinfection system.

**The results are based on data in 5 low chlorine pools as part of renovations.

*** Data from of a new construction 25m-pool. **Period February – August 2022**. Full reopening of Belgian swimming pools after the Coovid-restrictions. Other data of new constructions are available on request.

*****EXAMPLE: 25M POOL ANTWERP-BELGIUM / 700M³ / TURNOVER 4H**

Period: Belgium summer holidays with high swimmers load 15/07-31/08/2022. Opening hours 7/7 8.00-22.00.

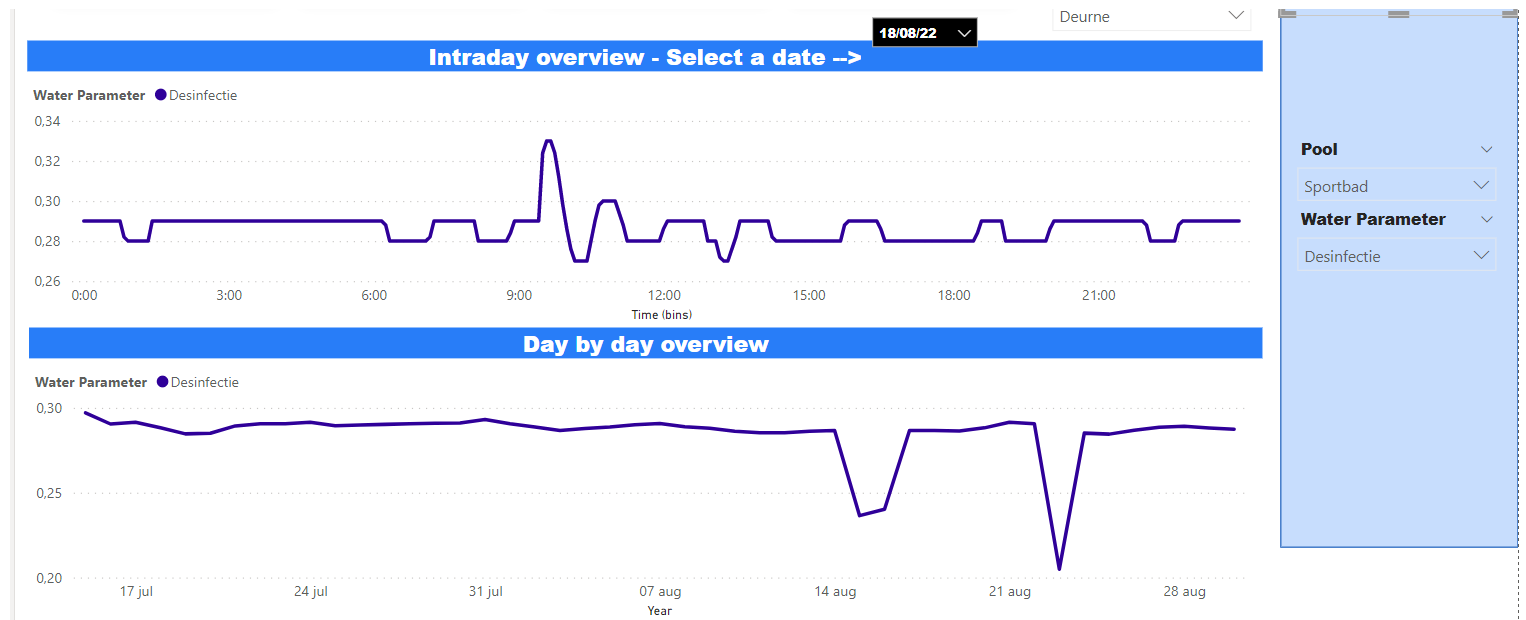
Closed: on 15/08 and 23/08

Upper graph: Intraday fluctuation on 18/08/2022

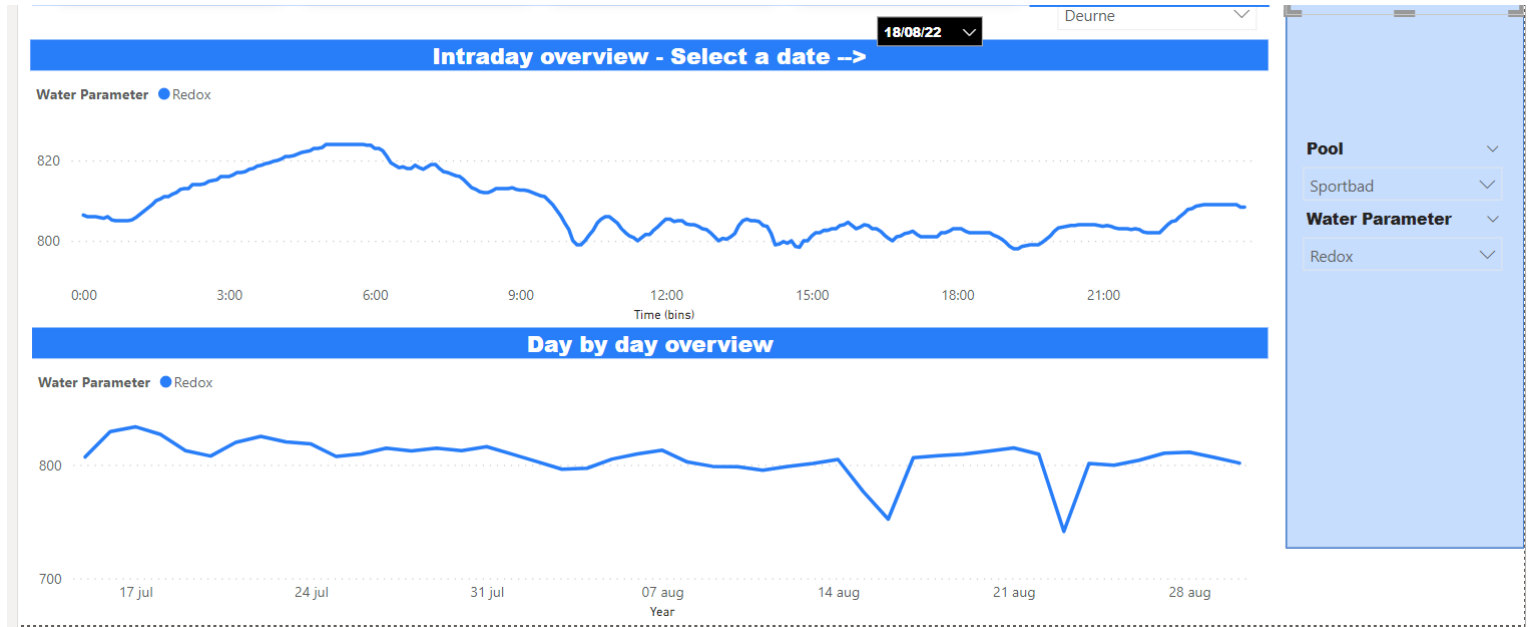
Lower graph: average daily value over six weeks

Data logging and visualisation by Deloitte.

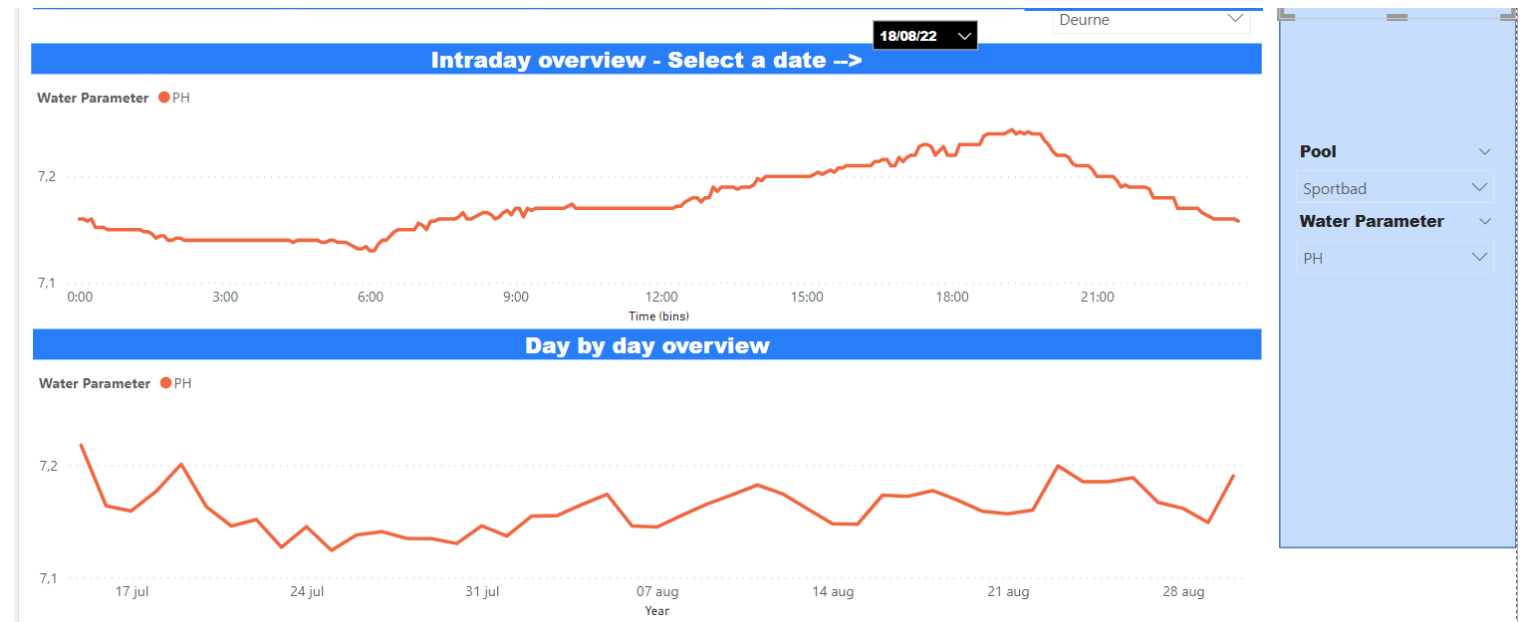
Parameter: free available chlorine



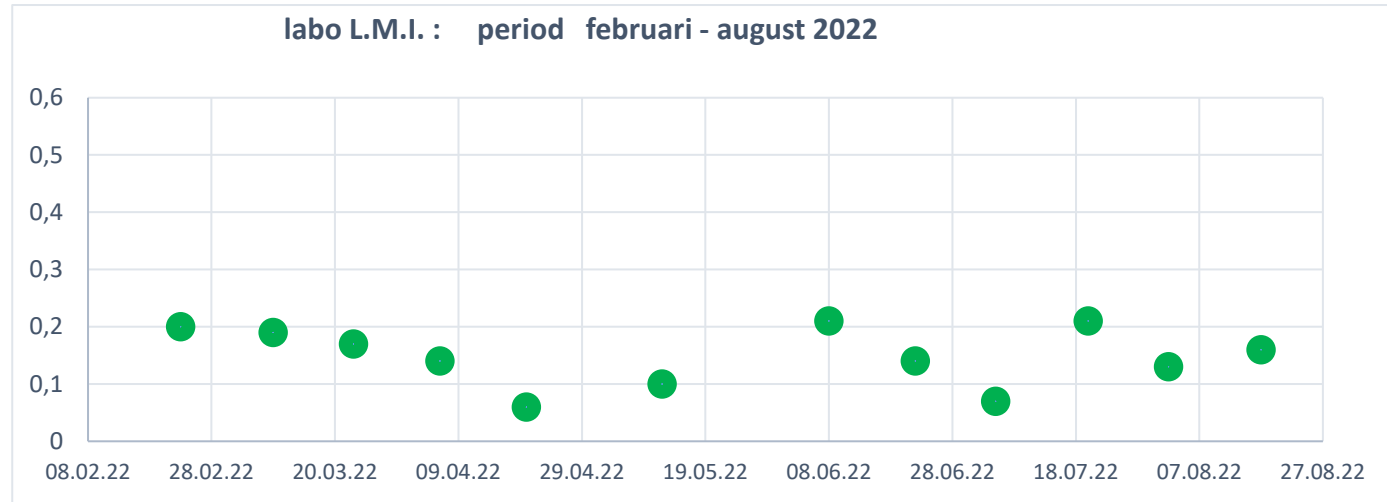
Parameter : Redox (ORP)



Parameter: pH



Parameter: bound chlorine
measurement by official laboratory



Parameter:

Kve 37° 24h

Kve 37° 48h

E.Coli

Intestinal enterococ

Coag. Pos. Staphylococ

Pseudomonas aeruginosa

23.02	10.03	23.03	06.04	20.04	12.05	08.06	22.06	05.07	20.07	02.08	17.08
0	10	0	0	0	0	0	5	2	8	0	0
0	14	0	0	0	0	0	9	2	16	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0

Stef Desmet
 commercial director
 stef.desmet@novinato.com
 0032 475 98 56 18

NoviNato BV
 Beeldhouwkunstlaan 8
 1700 Dilbeek
 Belgium

www.novinato.com

