

# KINBOLD

*Crystal Clear Confidence –  
Pure Water, Perfect Pool!*

## Test information

**Object:** Klarolaks Chlorine  
dosification

**Started date:** 24/02/2025

**Finished date:** 05/03/2025

## Product identification

**Part description:** Klarolaks

**Project:** INQ-203

**Manufacturer :** Synthesis



## R&D LABORATORY REPORT

### Used procedure:

Check procedure 1.4

### Conclusions:

Check conclusions 3.

## Test Result

Pass

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Version: 0	Date: 12/03/2025

## 1. TEST DESCRIPTION

### 1.1 SAMPLES DESCRIPTION

Table 1. Tested samples

S/N	LOT	Image	DESCRIPTION	RECEPTION DATE
Klarolaks	600499		Sample of Klarolaks (ClO <sub>2</sub> )	24/02/2025

### 1.2 STANDARDS

### 1.3 ACCEPTANCE CRITERIA

N/A

During the tests, the pool must be able to maintain itself with a chlorine level between 0.5-1.5ppm. Pool also must not show presence of algae or turbidity.

### 1.4 EXECUTION DESCRIPTION

- **Pool preparation**

Klarolaks is a liquid reagent based on chlorine dioxide used for the maintenance of the pool. For the tests, first a pool will have to be heated to 25°C, since we want to have conditions as close as possible to summer. Once the pool is heated, maintenance of the pool will begin. For the maintenance of pools with chlorine dioxide, we need between 1 and 4ppm of product permanently in the pool.

- **Dosing Procedure**

To ensure that the pool contains the necessary amount of product, we do a chlorine analysis in the water daily and add the daily maintenance dose. The dose is 20 mL of product per m<sup>3</sup> of water to maintain the pool. The product is added directly on the water with a dosing cup. Then, an analysis of the pool water will be performed through free chlorine test, as explained in the results section

- **Results**

For the chlorine test, the analysis will be performed daily. The analysis as per the technical data sheet consists in a free chlorine analysis and then multiplying that value by 1.9. The tests are performed in a photometer by using the DPD1 chlorine tablets. In case of doubts, consult the pictures of the instruction manual below.

To get the values as realistic as possible, initial chlorine levels in the pool should be as low as possible.

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## 2. RESULTS SUMMARY

Table 4. Results summary.

SAMPLE	CRITERIA	POOL CONDITIONS	OBTAINED	RESULT
Klarolaks	Chlorine between 0.5-1.5ppm + No disinfection	22°C Average		

## 3. CONCLUSION

As we can observe in the results tables and in the pictures seen in the Annex, Klarolaks is able to disinfect the pool with no issues in the heated condition. The dosing used is the one observed in the November testing.

It's important to consider that the current conditions are still milder on the pool that summer regular conditions, since the sun impact on the pool is lower, both less time and less intensity, but the conditions are the closer we can obtain right now.

## 4. ANNEXES

### Photos during the test



Pool 1 24/02/2025



Pool 2 26/02/2025

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Pool 3 28/02/2025



Pool 4 05/03/2025

### Chlorine results ClO2

Date	T (°C)	Free chlorine (ppm)	Added Klarolaks (mL)	Observations
24/02/25	20	1.12	140	
25/02/25	24	1.07	140	
26/02/25	23	1.1	140	
27/02/25	24	1.04	140	
28/02/25	25	1.01	420	
03/03/25	20	0.89	140	Heavy rains during the weekend, meaning conditions are harsher
04/03/25	21	0.93	140	
05/03/25	20	0.97	140	

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