

Special instruction

V1, February 2018, JT

Chloride determination with test 0-19

Measuring range extension up to 1.00 g/L Chloride

Instruction

Parameter	Chloride								
Product group	NANOCOLOR®								
Test kit and accessoires	Test 0-19 NANOCOLOR® Chloride 200 (REF 985 019) Piston pipette with tips								
Method	Photometric determination with mercury(II)-thiocyanate and iron(III)-nitrate								
Measuring range	0.10 – 1.00 g/L Cl ⁻								
Sample volume	0.2 mL								
Wavelength	470 nm								
Interferences	Thiocyanate, sulfide, thiosulfate, bromide and iodide all interfere, since they react in the same way as chloride.								
Test procedure	<ol style="list-style-type: none"> 1. Open test tube, add 2. 0.2 mL sample solution and 3. 1.0 mL R2, close and mix. <p>Clean outside of test tube.</p>								
Reaction time	3:00 min								
Measurement	<ol style="list-style-type: none"> 1. Method 0-192 for the instruments NANOCOLOR®^{UV/VIS} II, VIS II, ^{UV/VIS} VIS, 500 D, 400 D, 350 D and Photometer PF-12 ^{Plus} and PF-12 <p>or</p> <ol style="list-style-type: none"> 2. Select user-defined special method, insert the blank and measure against the blank 								
Program user-defined special method	<p>Polynomial:</p> <table border="1"> <tr> <td>F0</td> <td>- 0.034</td> </tr> <tr> <td>F1</td> <td>0.523</td> </tr> <tr> <td>F2</td> <td>- 0.057</td> </tr> <tr> <td>F3</td> <td>0.173</td> </tr> </table>	F0	- 0.034	F1	0.523	F2	- 0.057	F3	0.173
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F2	- 0.057								
F3	0.173								

Contact

If you have further questions, please do not hesitate to contact us:

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