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## *MCD201G KIT HARDNESS GERMAN*

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*WKS201 Reagent 65ml Raw Water German Hardness* **1 unit**


*Tube 30ml* **1 unit**

*1 label in the box with operating mode (in English or yours after your validation)*

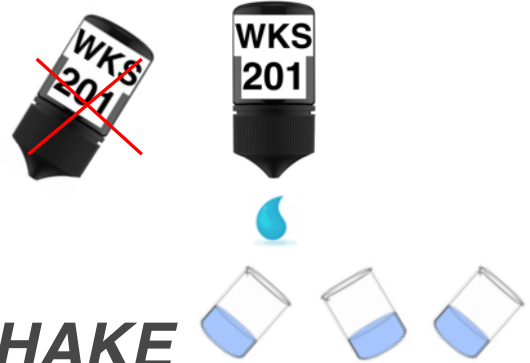
*More than 1 500 drops in the WKS201 Reagent 65ml*



# Hardness German TEST WKS201

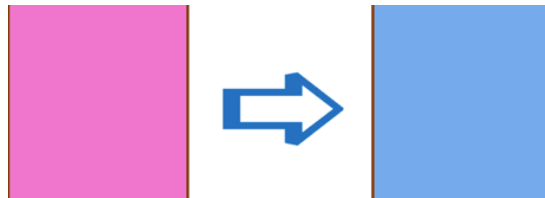
**1** →  **METTRE 10 ml** d'eau à analyser dans le tube  
**ADD 10 ml** water to analyse in tub

**2** → **METTRE 1** gouttes **WKS201**  
**PUT 1 DROPS WKS201**



Continuer à rajouter goutte par goutte le réactif jusqu'à l'obtention de la couleur **bleue** (virage du **rouge-rose-violet** au **bleu**)

Continue to add the reagent drop by drop until you achieve the **blue** color (transition from **red-pink-purple** to **blue**)



**3** → **RESULTAT / RESULT**

**TH** (degré Allemand) = **Nombre de gouttes WKS201 x 2**


Si couleur BLEUE à la première goutte alors TH est compris entre 0 et 2

**TH** (in German Degrees) = **Number of drops WKS201 x 2**

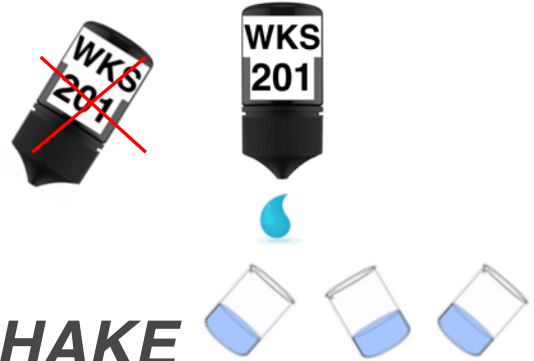
If the color is BLUE after the first drop, then TH is between 0 and 2.



# Hardness German TEST **WKS201**

**1** →  **METTRE 20 ml** d'eau à analyser dans le tube  
**ADD 20 ml** water to analyse in tub

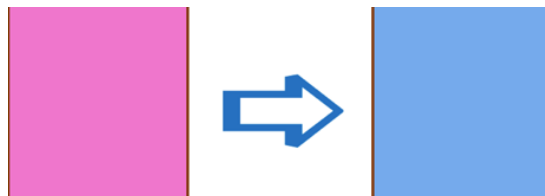
**2** → **METTRE 1** gouttes **WKS201**  
**PUT 1 DROPS** **WKS201**



**AGITER / SHAKE**

Continuer à rajouter goutte par goutte le réactif jusqu'à l'obtention de la couleur **bleue** (virage du **rouge-rose-violet** au **bleu**)

Continue to add the reagent drop by drop until you achieve the **blue** color (transition from **red-pink-purple** to **blue**)




**3** → **RESULTAT / RESULT**

**TH** (degré Allemand) = **Nombre de gouttes** WKS201  
 Si couleur **BLEUE** à la première goutte alors TH est compris entre 0 et 1

**TH** (in German Degrees) = **Number of drops** WKS201  
 If the color is **BLUE** after the first drop, then TH is between 0 and 1.



# Hardness German TEST **WKS201**

**1** →  **METTRE 5 ml** d'eau à analyser dans le tube  
**ADD 5 ml** water to analyse in tub

**2** → **METTRE 1** gouttes **WKS201**  
**PUT 1 DROPS WKS201**

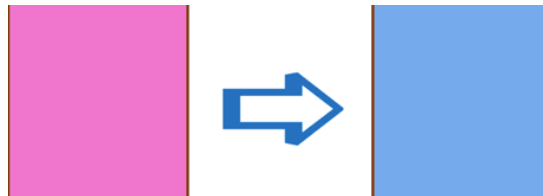


**AGITER / SHAK**



Continuer à rajouter goutte par goutte le réactif jusqu'à l'obtention de la couleur **bleue** (virage du **rouge-rose-violet** au **bleu**)

Continue to add the reagent drop by drop until you achieve the **blue** color (transition from **red-pink-purple** to **blue**)



**3** → **RESULTAT / RESULT**

**TH** (degré Allemand) = **Nombre de gouttes WKS201 x 4**

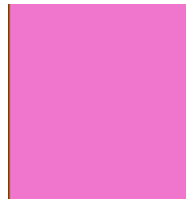
*Si couleur BLEUE à la première goutte alors TH est compris entre 0 et 4*

**TH** (in German Degrees) = **Number of drops WKS201 x 4**

*If the color is BLUE after the first drop, then TH is between 0 and 4.*



# Hardness German TEST *WKS201*



**TH** (in German Degrees) = **Number of drops** WKS201 **x 4**



**TH** (in German Degrees) = **Number of drops** WKS201 **x 2**



**TH** (in German Degrees) = **Number of drops** WKS201

## Info

$1^{\circ}d = [17,8 \text{ ppm CaCO}_3] = [1,25^{\circ}e] = [1,78^{\circ}f] = [1,044^{\circ}a] = [0,1785 \text{ mmol/l Ca}^{2+}]$

### General notes:

- ▲ Avoid contact with skin or eyes.
- ▲ In the case of contact with the skin or eyes rinse off immediately with plenty of running water, and seek medical attention, if irritation persists.
- ▲ Do not ingest product.
- ▲ In case of ingestion, wash the mouth out thoroughly with water and seek medical attention.

### GENERAL TITRATION RULES

Follow the manual accurately and choose the equipment accordingly.

- ▲ Handle your titration equipment with care.
- ▲ During analysis hold the titration vessel in front of a bright white surface.
- ▲ Protect chemicals from frost.
- ▲ Do not heat the chemicals.
- ▲ Check the size of the drops on a regular basis
- ▲ Hold dropper bottle vertically upside down and **not** inclined at any angle.
- ▲ Allow the drops to form slowly and fall off under their own weight. Drop rate should be no more than one dr./s!
- ▲ Keep dropper tips clean.
- ▲ Do not shake off drops or strip them off on the wall of the rim of the vessel.
- ▲ Avoid static charge on the bottles.
- ▲ Ensure droppers are not statically charged.
- ▲ Replace the dropper cap immediately after use to prevent cross contamination. Dropper tips or dropper caps must not be mixed between different bottles.
- ▲ Never adjust the dropper tip aperture by inserting anything that may enlarge the orifice or damage the restrictor. Bottles with inaccurate or damaged dropper tips need to be replaced.
- ▲ Use syringes provided to obtain accurate sample volumes