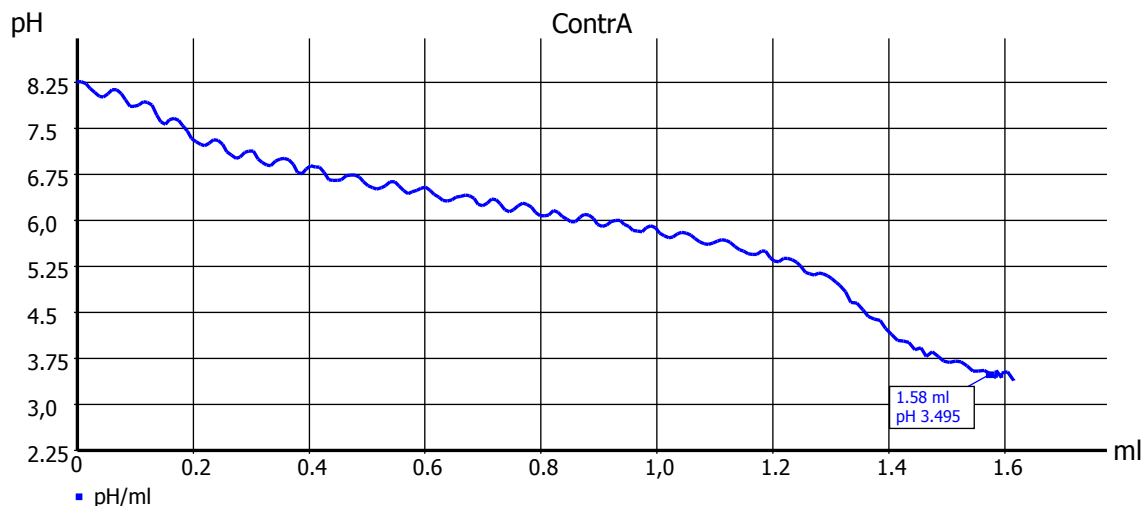


## GLP documentation



### Method data

|              |                      |                     |          |
|--------------|----------------------|---------------------|----------|
| Method name: | Alkalinity_Gran_0.1N | Titration duration: | 9 m 26 s |
| End date:    | 01/26/22             | End time:           | 13:34:06 |

### Titration data

|                    |                      |                  |                          |
|--------------------|----------------------|------------------|--------------------------|
| Sample ID:         | ContrA               | Pattern:         | 50.000 ml                |
| Start pH:          | pH 8.245             | End pH:          | pH 3.411                 |
| Start temperature: | 22.0 °C (a)          | End temperature: | 22.3 °C (a)              |
| Zero point:        | pH 7.16 / 7.7 mV     | Slope:           | 93.1 % / -55.1 mV/pH (a) |
| EP:                | 1.5760 ml / pH 3.495 | TA:              | 3.177 mmol/l             |

### Calculation formula

|              |   |                 |           |
|--------------|---|-----------------|-----------|
| TA:          | $(EP1) \cdot T \cdot M \cdot F1 / (V / F2)$ | Decimal places: | 3         |
| Mol (M)      | 1.00780                                     |                 |           |
| Titre (T):   | 0.1 (m)                                     | Factor 1 (F1):  | 1000.0000 |
| Pattern (V): | 50.0000 ml (f)                              | Factor 2 (F2):  | 1.0000    |
| Statistics:  | Off   |                 |           |

### Device information

Device: TitroLine 7000  
Serial number: 10012653  
Software version: 1.18.1121.247

#### Method data overall view

|                          |                      |                      |                   |
|--------------------------|----------------------|----------------------|-------------------|
| Method name:             | Alkalinity_Gran_0.1N | Created at:          | 05/19/19 13:13:30 |
| Method type:             | Automatic titration  | Last modification:   | 12/10/19 22:31:24 |
| Measured value:          | pH                   | Damping settings:    | None              |
| Titration mode:          | End pt.              | Documentation:       | GLP               |
| Linear steps:            | 0.0100 ml            |                      |                   |
| Measuring speed / drift: | 10 s                 |                      |                   |
| Initial waiting time:    | 0 s                  | Stirring titration:  | free              |
| Stirring start:          | free                 | Titration direction: | Decrease          |
| Pre-titration:           | Off                  |                      |                   |
| Pre-dosing 1:            | Off                  | Pre-dosing 2:        | Off               |
| Endpoint                 | pH 3.495             | delta endpoint:      | pH 1.450          |
|                          |                      | Endpoint delay:      | 10 s              |

#### Dosing parameter (Titration data)

|                       |                      |               |      |
|-----------------------|----------------------|---------------|------|
| Dosing speed          | 2.50 % (1.00 ml/min) | Filling speed | 30 s |
| Maximum dosing volume | 50.0000 ml           |               |      |

#### titration burette

|                |                |                   |               |
|----------------|----------------|-------------------|---------------|
| Serial number: | 10012653       | Software version: | 1.18.1121.247 |
| Name:          | TitroLine 7000 |                   |               |

#### Unit values

|                           |          |                      |                   |
|---------------------------|----------|----------------------|-------------------|
| Unit size:                | 20 ml    | Unit ID:             | 10043063          |
| Reagent:                  | HCl 0.1M | Batch ID:            | no entry          |
| Concentration:            | 1.87500  | Conc. determined at: | 01/18/22 14:37:30 |
| Expire date:              | --       | Opened/compounded:   | --                |
| Inspection according ISO: | --       | Last modification:   | 01/18/22 14:37:35 |

#### Electrode data

|              |                         |           |            |
|--------------|-------------------------|-----------|------------|
| Name:        | SCP-pHT-A170MF-3M-DIN-N | Batch ID: | B210806001 |
| Calibration: | 01/26/22 10:16:43       |           |            |

#### Device information

Device: TitroLine 7000  
Serial number: 10012653  
Software version: 1.18.1121.247