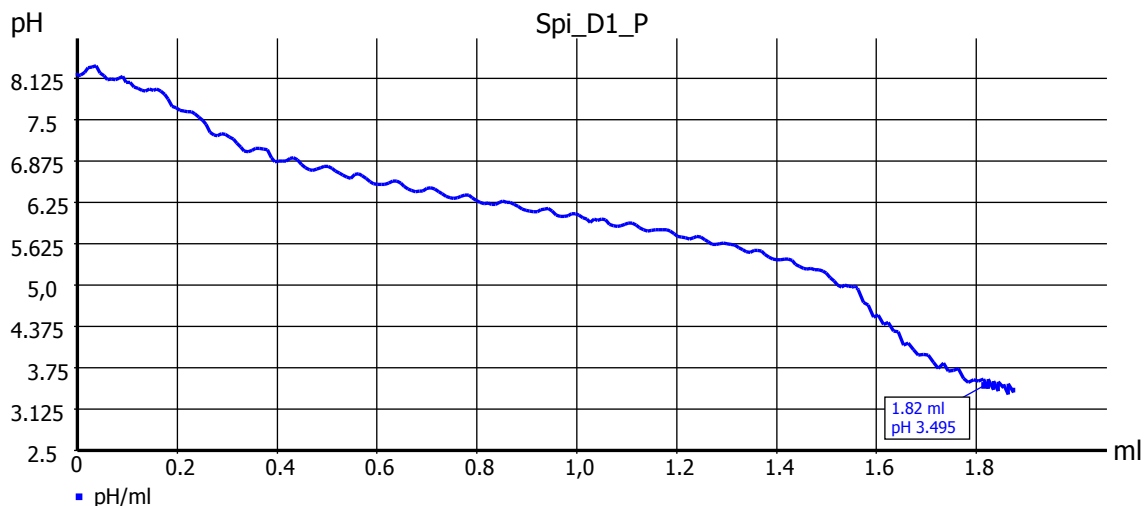


GLP documentation



Method data

| | | | |
|--------------|----------------------|---------------------|-----------|
| Method name: | Alkalinity_Gran_0.1N | Titration duration: | 10 m 17 s |
| End date: | 01/31/22 | End time: | 14:49:15 |

Titration data

| | | | |
|--------------------|----------------------|------------------|--------------------------|
| Sample ID: | Spi_D1_P | Pattern: | 50.000 ml |
| Start pH: | pH 8.209 | End pH: | pH 3.452 |
| Start temperature: | 22.4 °C (a) | End temperature: | 22.8 °C (a) |
| Zero point: | pH 7.09 / 4.0 mV | Slope: | 94.4 % / -55.9 mV/pH (a) |
| EP: | 1.8200 ml / pH 3.495 | TA: | 3.668 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: | 01/31/22 10:06:15 | | |

Device information

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