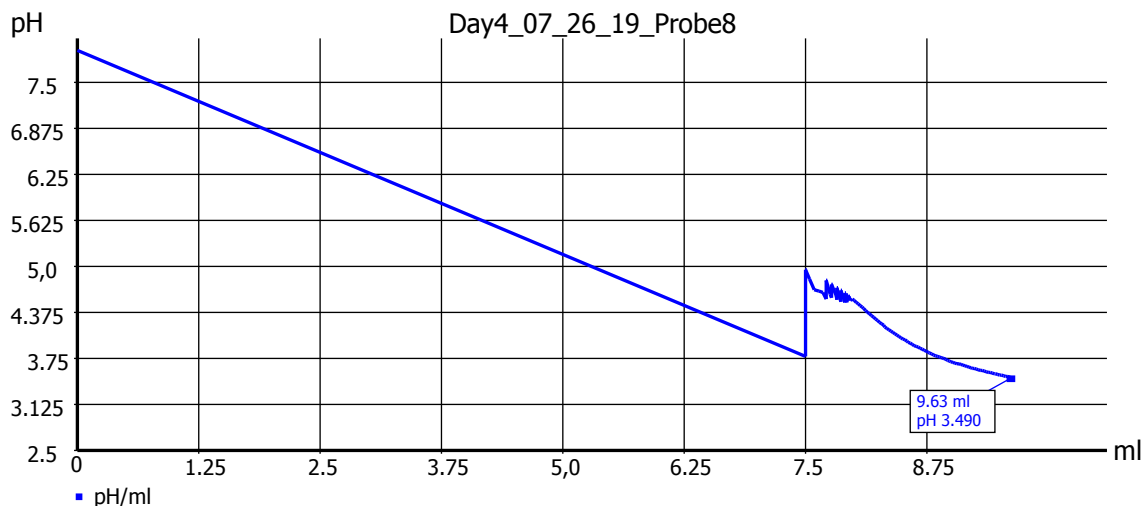


GLP documentation



Method data

| | | | |
|--------------|-----------------------|---------------------|----------|
| Method name: | Alkalinity preT7.5[1] | Titration duration: | 6 m 27 s |
| End date: | 07/26/19 | End time: | 11:21:58 |

Titration data

| | | | |
|--------------------|----------------------|------------------|--------------------------|
| Sample ID: | Day4_07_26_19_Probe8 | Weight: | 1.00000 g |
| Start pH: | pH 7.932 | End pH: | pH 3.486 |
| Start temperature: | 26.3 °C (a) | End temperature: | 26.4 °C (a) |
| Zero point: | pH 6.85 / -8.8 mV | Slope: | 98.1 % / -58.0 mV/pH (a) |
| EP: | 9.6270 ml / pH 3.490 | Result: | 9.63 ml |

Calculation formula

| | | | |
|------------------|-------------------------|-----------------|---------------|
| Result: | $(EP1-B)*T*M*F1/(W*F2)$ | | |
| Mol (M) | 1.00000 | Decimal places: | 2 |
| Blank value (B): | 0.0000 ml | Titre (T): | 1 (m) |
| Factor 1 (F1): | 1.0000 | Weight (W): | 1.00000 g (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 preT7.5[1] | Created at: | 05/23/19 18:25:36 |
| Method type: | Automatic titration | Last modification: | 07/17/19 13:45:20 |
| Measured value: | pH | Damping settings: | None |
| Titration mode: | End pt. | Documentation: | GLP |
| Linear steps: | 0.0200 ml | | |
| Measuring speed / drift: | Normal | minimum holding time: | 2 s |
| | | maximum holding time: | 15 s |
| | | Measuring time: | 2 s |
| | | Drift: | 20 mV/min |
| Initial waiting time: | 0 s | Stirring titration: | free |
| Stirring start: | free | Titration direction: | Decrease |
| Pre-titration: | 7.5000 ml | | |
| Pre-dosing 1: | Off | Pre-dosing 2: | Off |
| Endpoint | pH 3.490 | delta endpoint: | pH 1.100 |
| | | Endpoint delay: | 0 s |

Dosing parameter (Titration data)

| | | | |
|-----------------------|-----------------------|---------------|------|
| Dosing speed | 15.00 % (6.00 ml/min) | Filling speed | 30 s |
| Maximum dosing volume | 50.0000 ml | | |

Pre-titration

| | | | |
|---------------------------|-----------|----------------------|-------------------|
| Dosing volume: | 7.5000 ml | Pre-titration speed: | 100.00 % |
| Filling speed: | 30s | Delay time: | 0s |
| Stirrer control: | free | Burette address: | int |
| Unit size: | 20 ml | Unit ID: | 10043063 |
| Reagent: | HCl 0.01M | Batch ID: | no entry |
| Concentration: | 0.01000 | Conc. determined at: | 05/19/19 13:07:49 |
| Expire date: | -- | Opened/compounded: | -- |
| Inspection according ISO: | -- | Last modification: | 07/01/19 11:33:48 |

titration burette

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

Device information

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

Unit values

| | | | |
|---------------------------|-----------|----------------------|-------------------|
| Unit size: | 20 ml | Unit ID: | 10043063 |
| Reagent: | HCl 0.01M | Batch ID: | no entry |
| Concentration: | 0.01000 | Conc. determined at: | 05/19/19 13:07:49 |
| Expire date: | -- | Opened/compounded: | -- |
| Inspection according ISO: | -- | Last modification: | 07/01/19 11:33:48 |

Electrode data

| | | | |
|--------------|------------------|-----------|------------|
| Name: | A 162 2M-DIN-ID | Batch ID: | C180706002 |
| Calibration: | 07/26/19 9:10:10 | | |

Device information

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