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# PowerMon Method Book

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## Übersicht / Overview

### Al Aluminium

130+M080-01	0 – 0,100 ... 0 – 0,500 mg Al/L	Kolo	Säurelösliches Aluminium Acid soluble aluminium
130+M081-01	0 – 0,100 ... 0 – 0,500 mg Al/L	Kolo	Säurelösliches Aluminium, mit Abfalltrennung Acid soluble aluminium, with waste separation

### B Bor / Boron

130+M220-01	0 – 0,500 ... 0 – 2,00 mg B/L	Kolo	Azomethin-H-Methode Azomethine-H method
130+M221-01	0 – 5,00 ... 0 – 10,0 mg B/L	Kolo	Azomethin-H-Methode, mit Verdünnung Azomethine-H method, with dilution

### Ca+Mg Härte / Hardness

130+M040-01	0 – 0,500 ... 0 – 5,00 mmol/L	Titro	Standard
130+M041-01	0 – 5,00 ... 0 – 50,0 mmol/L	Titro	Mit Verdünnungsschleife With dilution loop

### Cl<sup>-</sup> Chlorid / Chloride

130+M170-01	0 – 50,0 ... 0 – 10000 mg Cl <sup>-</sup> /L	Iono	ISE-Messung ISE measurement
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### Cl<sub>2</sub> Chlor / Chlorine

130+M150-01	0 – 10,0 ... 0 – 100 mg Cl <sub>2</sub> /L	Titro	Freies Chlor, Redox-Titration Free chlorine, redox titration
130+M151-01	0 – 1000 ... 0 – 3000 mg Cl <sub>2</sub> /L	Titro	Freies Chlor, Redox-Titration, mit Verdünnungsschleife Free chlorine, redox titration, with dilution loop
130+M200-01	0 – 0,200 ... 0 – 3,00 mg CL <sub>2</sub> /L	Kolo	Freies Chlor, DPD-Methode Free chlorine, DPD method
130+M210-01	0 – 0,200 ... 0 – 3,00 mg CL <sub>2</sub> /L	Kolo	Gesamt-Chlor, DPD-Methode Total chlorine, DPD method

**CN<sup>-</sup> Cyanid / Cyanide**

130+M180-01	0 – 0,500 ... 0 – 2,00 mg/L	Kolo	Gesamt-Cyanid, Wasseranschluss notwendig Total cyanide, water necessary
130+M180-02	0 – 0,100 ... 0 – 0,600 mg/L	Kolo	Gesamt-Cyanid, Wasseranschluss notwendig Total cyanide, water necessary
130+M190-01	0 – 0,050 ... 0 – 0,400 mg/L	Kolo	Freies Cyanid Free cyanide
130+M191-01	0 – 0,600 ... 0 – 5,00 mg/L	Kolo	Freies Cyanid, mit Verdünnung Free cyanide, with dilution

**Cr Chrom / Chromium**

130+M250-01	0 – 0,200 ... 0 – 1,00 mg Cr <sup>6+</sup> /L	Kolo	Chrom(VI) Chromium(VI)
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**F<sup>-</sup> Fluorid / Fluoride**

130+M050-01	0 – 1,00 ... 0 – 1000 mg F <sup>-</sup> /L	Iono	Standard
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**Fe Eisen / Iron**

130+M060-01	0 – 0,020 ... 0 – 8,00 mg Fe/L	Kolo	Für Kesselspeisewasser (mit Aufschluss) For boiler feed water (with digestion)
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**HNO<sub>3</sub> Salpetersäure / Nitric acid**

130+M100-01	0 – 1,00 ... 0 – 20,0 g HNO <sub>3</sub> /L	Titro	Standard
130+M101-01	0 – 1,00 ... 0 – 20,0 g HNO <sub>3</sub> /L	Titro	Mit automatischer Spülung With automatic cleaning

**K<sub>S4,3</sub>, K<sub>S8,2</sub> Säurekapazität (m-, p-Wert) / Acid capacity (m-, p-value)**

130+M030-01	0 – 0,5 ... 0 – 20 mmol/L	Titro	Standard
130+M030-02	0 – 0,5 ... 0 – 20 mmol/L	Titro	Mit CeraClean-Ansteuerung With CeraClean control
130+M030-03	0 – 0,5 ... 0 – 20 mmol/L	Titro	In Gegenwart von Flockungshilfsmitteln In presence of flocculation additives

**Na Natrium / Sodium**

130+M140-01	0 – 0,200 ... 0 – 1000 mg/L	Natrio	ISE-Messung ISE measurement
130+M141-01	0 – 0,010 ... 0 – 0,100 mg/L	Natrio	ISE-Messung ISE measurement

**Ni Nickel**

130+M160-01	0 – 0,100 ... 0 – 0,800 mg Ni/L	Kolo	TAMSMB-Methode TAMSMB method
130+M161-01	0 – 0,800 ... 0 – 5,00 mg Ni/L	Kolo	TAMSMB-Methode, mit Verdünnung TAMSMB method, with dilution

**NO<sub>2</sub> Nitrit / Nitrite**

130+M120-01	0 – 0,003 ... 0 – 1,000 mg N/L	Kolo	Standard, NED-Methode Standard, NED method
130+M121-01	0 – 0,200 ... 0 – 10,0 mg N/L	Kolo	NED-Methode, mit Verdünnung NED method, with dilution

**NO<sub>3</sub> Nitrat / Nitrate**

130+M130-01	0 – 5,00 ... 0 – 10,0 mg N/L	Kolo	NED-Methode nach Hydrazinreduktion NED method after hydrazine reduction
130+M131-01	0 – 10,0 ... 0 – 30,0 mg N/L	Kolo	NED-Methode nach Hydrazinreduktion NED method after hydrazine reduction
130+M132-01	0 – 50,0 ... 0 – 100 mg N/L	Kolo	NED-Methode nach Hydrazinreduktion NED method after hydrazine reduction

**NH<sub>4</sub><sup>+</sup> Ammonium**

130+M110-01	0 – 0,500 ... 0 – 4,00 mg N/L	Kolo	Indophenolblau-Methode Indophenol blue method
130+M111-01	0 – 0,500 ... 0 – 4,00 mg N/L	Kolo	Indophenolblau-Methode, mit Abfalltrennung Indophenol blue method, with waste separation
130+M112-01	0 – 4,00 ... 0 – 27,0 mg N/L	Kolo	Indophenolblau-Methode, mit Verdünnung Indophenol blue method, with dilution
130+M240-01	0 – 2,50 ... 1000 mg N/L	Iono	ISE-Messung ISE measurement

## **P Phosphor in Wasser / Phosphorous in water**

130+M020-01	0 – 2,00 ... 0 – 20 mg PO <sub>4</sub> -P/L	Kolo	Ortho-Phosphat, VM-Methode (Gelbmethode) Ortho phosphate, VM method (yellow method)
130+M021-01	0 – 2,00 ... 0 – 20 mg PO <sub>4</sub> -P/L	Kolo	Ortho-Phosphat, VM-Methode (Gelbmethode), Heizbad, für schnelle Messungen Ortho phosphate, VM method (yellow method), heating bath, for rapid measurements
130+M070-01	0 – 0,100 ... 0 – 6,00 mg P/L	Kolo	Gesamt-Phosphat, MB-Methode (Blaumethode) Total phosphorous, MB method (blue method)
130+M071-01	0 – 0,100 ... 0 – 6,00 mg P/L	Kolo	Gesamt- und ortho-Phosphat, MB-Methode (Blaumethode) Total and ortho phosphate, MB method (blue method)
130+M072-01	0 – 0,100 ... 0 – 6,00 mg P/L	Kolo	Gesamt-Phosphat, MB-Methode (Blaumethode), Messwellenlänge 810 nm, automatische Spülung Total phosphorous, MB method (blue method), measured wave length 810 nm, automatic cleaning
130+M073-01	0 – 0,100 ... 0 – 6,00 mg P/L	Kolo	Gesamt- und ortho-Phosphat, MB-Methode (Blaumethode), Messwellenlänge 810 nm, automatische Spülung Total and ortho phosphate, MB method (blue method), measured wave length 810 nm, automatic cleaning
130+M230-01	0 – 0,500 ... 0 – 6 mg PO <sub>4</sub> -P/L	Kolo	Ortho-Phosphat, MB-Methode (Blaumethode) Ortho phosphate, MB method (bluemethod)
130+M231-01	0 – 0,500 ... 0 – 6 mg PO <sub>4</sub> -P/L	Kolo	Ortho-Phosphat, MB-Methode (Blaumethode), Heizbad, für Kläranlagen Ortho phosphate, MB method (bluemethod), heating bath, for waste water treatment plants

## **Phenol**

130+M090-01	0 – 0,500 ... 0 – 5,00 mg/L	Kolo
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## **SiO<sub>2</sub> Kieselsäure in Wasser / Silica in water**

130+M010-01	0 – 0,200 ... 0 – 0,200 mg/L	Sili	Standard
130+M010-02	0 – 0,250 ... 0 – 1,10 mg/L	Sili	Standard
130+M011-01	0 – 0,020 ... 0 – 0,200 mg/L	Sili	In Gegenwart von Phosphat In presence of phosphate
130+M012-01	0 – 0,005 ... 0 – 0,020 mg/L	Sili	Standard
130+M013-01	0 – 0,020 ... 0 – 0,200 mg/L	Sili	Mit automatischer Spülung With automatic cleaning