



Application Note AN-I-036

イオン選択性電極を用いた水のナトリウム濃度測定

AOAC 976.25

(Na-ISE)()AOAC 976.25

(STDADD)OMNIS

NaOMNIS Advanced OMNIS (1)
 CaCl₂ 1 mol/L (ISA) (Na⁺ 200 mg/L 2000 mg/L) 50
 mg/L ISA ISA

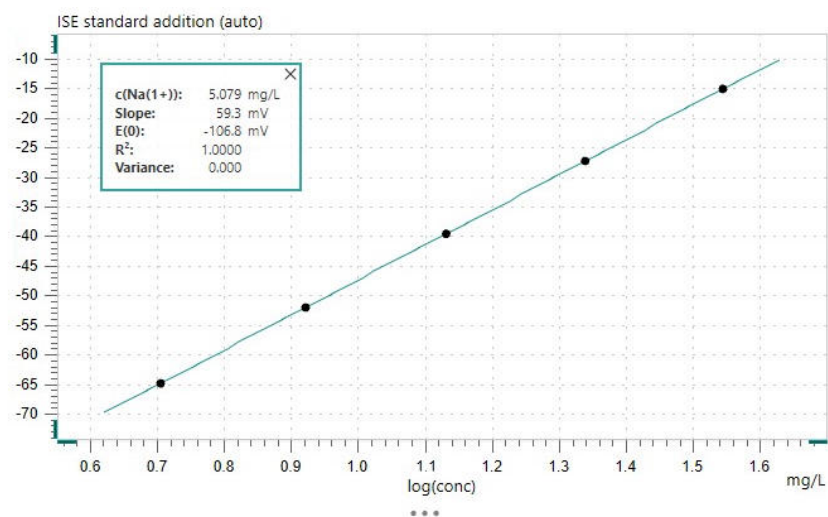


1. (Na-ISE) OMNIS Advanced OMNIS

1 (SD(rel)) 2.0% 2

1.

(n = 6)	SD(abs)	SD(rel) in %
5.08 mg/L	0.00 mg/L	0.1
151.1 mg/kg	0.4 mg/kg	0.3



	Volume increment / mL	Potential / mV	Potential difference / mV	Temperature / °C
Sample		-64.9		25.4
Increment 1	0.684	-52.1	12.8	25.4
Increment 2	1.132	-39.6	12.5	25.5
Increment 3	1.947	-27.3	12.3	25.6
Increment 4	3.505	-15.1	12.2	25.7

2. 200 mg/L4

(Na-ISE)
Na(Na-ISE)()AOAC 976.25

Na(Na-ISE)5 × 10⁶ mol/L1 mol/LNa+(0.11 mg/LNa+)
OMNIS

CONTACT

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OMNIS Advanced

OMNIS (/) OMNIS3SOMNIS Advanced

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- 4
-
- : 5102050 mL
- 3S:
-
- : Basic ()
- (/): Advanced ()
- (/): Professional ()



OMNIS

/OMNIS5102050 mL



Separate polymer membrane electrode, Na
Sodium-selective electrode with polymer membrane.
This ISE has to be used in combination with a
reference electrode and is suitable for:

- ion measurements of Na⁺ (10⁻⁶ to 1 mol/L) in aqueous solutions
- ion measurements in small sample volumes (minimum immersion depth 1 mm)
- titrations in aqueous solutions

Thanks to a robust/break-proof plastic shaft made of PVC, this sensor is mechanically very resistant.