

A complete chemical analyse of water from the Little Bitter Lake, Suez Canal Africa, by Prof. J. van Baren.

On a scientific journey from Holland to the Indian Archipelago during the winter 1916/17 I collected water from the Little Bitter Lake, Suez Canal, Africa. The water and the salt have been analysed by the Chemical Bureau of Mrs. KONING & BIENFAIT at Amsterdam.

Water.

Salinity	4.9175 %
Cl	26 897.0 m.gr.
Br.	143.0 "
SO ₄	3 749.0 "
CO ₃	217.9 "
Na	15 190.0 "
K	602.0 "
Ca	592.1 "
Mg	1 658.0 "
SiO ₂	6.0 "
(Fe, Al) ₂ O ₃	14.0 "

Salt.

Cl	54.83 %
Br.	0.29 "
SO ₄	7.64 "
CO ₃	0.44 "
Na	30.96 "
K	1.20 "
Ca	1.21 "
Mg	3.38 "
(Fe, Al) ₂ O ₃ , SiO ₂	0.04 "
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	99.99 %

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For comparison I communicate here the last analysis, made by the Austrian chemist KONRAD NATTERER and published in the Monatshefte für Chemie, Vienna, Vol. 20, 1899, page 180:

Salinity	5.092 %
Cl	29 470.0 m.gr.
Br.	— "
SO ₄	3 760.0 "
CO ₃	62.0 "
Na	15 438.0 "
K	565.0 "
Ca	608.0 "
Mg	1 939.0 "

Wageningen, December 1927.