

Salt Kit for multi N/C 3300

Master Saline Matrices with
TOCnology

Cut down
operating
costs



analytikjena

An Endress+Hauser Company

Salt Kit for multi N/C 3300

Reduce your operating costs

Highlights at a glance

- Improved analytical performance
- Prolonged lifetime of combustion tube and catalyst
- Reduced operating costs and maintenance
- Upgradable for multi N/C 3300 and multi N/C 3100



Applications covered

- TOC in brine
- TOC in sea water and brackish water
- TOC in LIB cathode salts (e.g., Li_2CO_3 / CoCl_2 / CoSO_4 / NiSO_4 / MnSO_4)
- Recommended working range: salt content between 5–70 g/L (e.g., 1:5 diluted brine)

Challenges of high salt matrices in TOC/ TN_b analysis

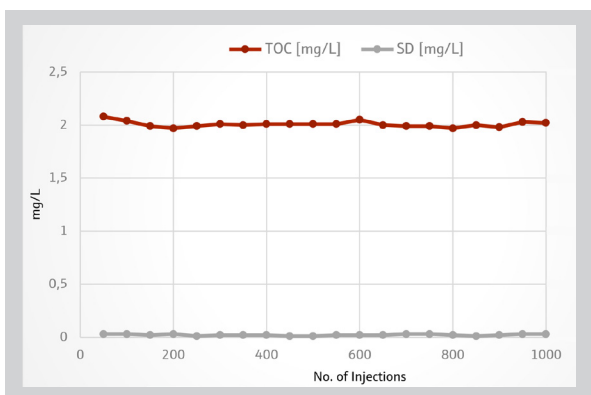
- High consumption of quartz combustion tube and catalyst
- Blockage of combustion tube due to salt deposits
- Bad long-term stability of measurements



A salt crucible protects the combustion tube and the catalyst

How does it work?

- Collection of salt deposits in a salt crucible
- Operation at combustion temperatures below salt melting point
- High injection volumes of up to 500 μL for optimum detection limits



TOC values and standard deviation of a synthetic brine (diluted 1:10) spiked with 2 mg/L TOC over 1,000 injections of 0.5 mL each

multi N/C 3300

One analyzer for many applications

Download our application notes for more insights!

- TOC determination in brine samples coming from desalting process of crude oil
- Determination of organic impurities (TOC) in raw materials for cathode production in lithium-ion batteries
- TOC determination in seawater (DIN EN ISO 20236)



Download application notes!
www.analytik-jena.com/tocnology



multi N/C 3300

The allrounder: Particle-rich or salt-containing samples? The combustion analyzer optimized for high throughput, offering the perfect balance between samples of all kinds.



Discover TOCnology!
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