

ILIS-C

Isotopically Labeled Internal Standard $^{18}\text{O}_3$ -Chlorate

~ 100 µg/mL in H_2O

Comment: Chemical purity $^{18}\text{O}_3$ -Chlorate $\geq 98\%$

Due to manufacturing process this ILIS contains $^{18}\text{O}_3$ -Chlorate and $^{18}\text{O}_4$ -perchlorate and can be applied as ISTD for analysis of both chlorate and perchlorate.

The concentration of $^{18}\text{O}_3$ -Chlorate in the ILIS-C solution is lower than that in the ILIS-Stock solution ordered from the ILIS distribution service.

Instructions for use (exemplary):

- **Prepare working solutions:**

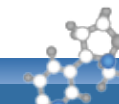
Dilute the ILIS-C-solution (~100 µg/ml) 5-fold with purified water to a concentration of ~20 µg/ml (WS1).

Dilute WS1 (~20 µg/ml) 20-fold with purified water to a concentration of ~1 µg/ml (WS2)

- **Use in QuPpe method:**

add 100 µl WS1 to the analytical portion of each sample

add 100 µl WS2 for the preparation of calibration solutions (of ~1 mL)



ILIS-P

Isotopically Labeled Internal Standard $^{18}\text{O}_3$ -Phosphonic Acid

~ 100 µg/mL in acetonitrile

Comment: Chemical purity $\geq 98\%$

The concentration of $^{18}\text{O}_3$ -phosphonic acid in the ILIS-P solution is lower than that in the ILIS-Stock solution ordered from the ILIS distribution service.

Instructions for use (exemplary):

- **Prepare working solutions:**

Dilute the ILIS-P-solution (~100 µg/ml) 5-fold with **acetonitrile** to a concentration of ~20 µg/ml (WS1).

Dilute WS1 (~20 µg/ml) 20-fold with **acetonitrile** to a concentration of ~1 µg/ml (WS2)

- **Use in QuPpe method:**

add 100 µl WS1 to the analytical portion of each sample

add 100 µl WS2 for the preparation of calibration solutions (of ~1 mL)