

CERTIFICATE

Matrix certified reference material of sewage sludge

METRANAL® CRM AN-OK03

This Certificate is designed in accordance with ISO Guide 31

Analyte: **Adsorbable organically bound halogens (AOX)**

Product code: **AN-OK03**

Certified value of concentration and its expanded uncertainty (k = 2)

AOX 280 ± 13 mg/kg

Corrected to a dry mass at 105°C

The certified value of analyte was derived from results of an interlaboratory comparison in accredited laboratories

Packing:

40 g of powder of the respective sewage sludge with a particle size of less than 100 µm in amber glass bottle. The sample is stabilized by radiation of 25kGy.

Intended use:

This certified reference materials is intended primarily for use in realizing metrological traceability, validation of analytical methods and the transfer of property values to other materials of similar composition.

Recommended analytical methods:

Microcoulometry with argentometric titration or another appropriate methods

Specification:

The date of production: April 2020

Shelf life: 5 years from the date of production

Metrological traceability:

Metrological traceability is realized by using certified calibration standard solutions for the calibration of measurement methods used and/or by simultaneous analysis of a matrix CRM (RM) of similar composition.

Sample preparation:

The most frequently methods used are following: EPA 1650, DIN 38414-18 or equivalent.

Homogeneity and stability:

Homogeneity and short term stability has been demonstrated according to the ISO GUIDE 35.

Storing and instruction for use:

This CRM has to be stored in original bottle. Storing between 2-10°C is recommended. The material should be analysed in the "as received" state and its dry mass should be determined on non-analysed aliquots oven-dried at 105°C till the constant mass. The material in the bottle must be rehomogenized before each use by mechanical shaking of the content for 1-2 minutes. The bottle should be opened a minimum of 2 minutes after rehomogenization in order to prevent an escape of fine powder particles from the bottle into the environment.

Note:

Detailed information about the production, homogeneity testing and characterization of this CRM are described in the Certification report, which is available on request.

Analytika[®], spol. s r.o. will be monitoring this RM over the period of its validity. If substantive changes of certified values occur, Analytika[®] spol. s r.o. will notify the purchaser.

Producer:

ANALYTIKA[®], spol. s r.o.
Department of reference materials
Ke Klíčovu 2a/816
190 00 Prague 9 – Vysočany
Czech Republic

www.analytika.net
sales@analytika.net

phone: +420 286 589 616

Quality management systems of company ANALYTIKA® , spol. s r.o.:

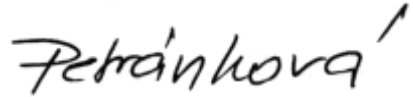
ČSN EN ISO 9001:2016
 ČSN EN ISO/IEC 17025:2018
 ČSN EN ISO 17034:2017

Manager of Department of RM:



Ing. Daniela Weisserová

Head of production department:



Mgr. Mirka Petránková

Date of the first issue of certificate:
 April 2020

Revision of certificate:
 Editorial changes

Certificate revision date:
 August 2020

Version of certificate:
 02