eppendorf

Eppendorf Certificate

Certificate of Quality

Detection Consumables- Typical values of trace metal release

The values in the table indicate typical values of trace metal concentrations which are obtained after incubating Detection Consumables with concentrated nitric acid for 1 hour (see: Materials and methods).

As the indicated values were determined in a one-time measurement, they cannot be guaranteed for every lot of Detection Consumables. Rather, the values indicate the extent of trace elements, that can be eluted from Detection Consumables.

-	Trace metal release [ng / µL]								
	AI	Cd	Cr	Cu	Hg	Mn	Ni	Pb	Zn
UVette [®]									
220 - 1.600 nm	<0,0010	<0,00002	<0,00005	<0,00010	<0,0010	<0,00005	<0,00005	<0,00005	<0,0010
Vis-Cuvettes									
Macro	<0,0010	<0,00002	<0,00005	0,00025	<0,0010	<0,00005	<0,00005	<0,00005	<0,0010
Semi-micro	<0,0010	<0,00002	<0,00005	<0,00010	<0,0010	<0,00005	0,00011	<0,00005	<0,0010

Materials and Methods

The Detection Consumables were filled with their nominal volume with concentrated nitric acid (65 %), respectively and incubated for 1 hour at room temperature (20 °C). The eluates were then analyzed by inductively coupled plasma-mass spectrometry (ICP-MS). The trace metal concentrations are expressed in ng/µL. The values are the average of three individually analyzed samples. All values labeled with "<" indicate concentrations below the detection limit of the ICP-MS method. No metal release was observed after 5-10 rinsings with concentrated nitric acid or after rinsing with 10 % acetic acid or water.

All analyses were performed by GALAB Laboratories, Geesthacht, Germany accredited to DIN EN ISO/IEC 17025.

January, 2020

Joana Tziolis Expert Liquid Handling LH-Consumables

Monika Schneider Head of Global Quality Management & Regulatory Affairs



GALA® is a registered trademark of Galab Nordkap Holding GmbH, Germany. Eppendorf®, the Eppendorf Brand Design and UVette® are registered trademarks of Eppendorf AG, Germany. All rights reserved, Incl. graphics and images. Copyright ©2020 by Eppendorf AG.