

# ISO 13163:2021 (E)

## Water quality — Lead-210 — Test method using liquid scintillation counting

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A.2.1.2	Standard solution of Pb(II)
A.2.1.3	Quenching agent
A.2.1.4	Laboratory water, distilled or deionized, complying with grade 3 of ISO 3696
A.2.1.5	Solution of stable iron carrier, approximately 1 g·l <sup>-1</sup> (for example in 0,5 mol·l <sup>-1</sup> HNO <sub>3</sub> ).
A.2.1.6	Cationic exchange resin, e.g. sulfonic type 8 % cross-linking.
A.2.1.7	Hydrochloric acid solution, c(HCl) = 2 mol·l <sup>-1</sup> .
A.2.1.8	Nitric acid solution, c(HNO <sub>3</sub> ) = 1 mol·l <sup>-1</sup> .
A.2.1.9	Nitric acid solution, c(HNO <sub>3</sub> ) = 0,1 mol·l <sup>-1</sup> .

- A.2.1.10 ammonium hydroxide solution,  $c(\text{NH}_4\text{OH})$  concentrated = 280 g·l<sup>-1</sup>.
- A.2.1.11 Ammonium citrate or citric acid solution,  $c(\text{C}_6\text{H}_{11}\text{NO}_7)$  or  $c(\text{C}_6\text{H}_8\text{O}_7) = 0,01 \text{ mol}\cdot\text{l}^{-1}$  to 0,1 mol·l<sup>-1</sup>
- A.2.1.12 EDTA solution,  $c(\text{C}_{10}\text{H}_{16}\text{N}_2\text{O}_8) = 0,01 \text{ mol}\cdot\text{l}^{-1}$ .
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