

ISO 13163:2013-10 (E)

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

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Symbols	2
4	Principle	3
5	Reagents and equipment	4
6	Sampling and storage	5
6.1	Sampling	5
6.2	Sample storage	5
7	Procedure	5
7.1	Sample preparation	6
7.2	Preconcentration	6
7.3	Separation of ²¹⁰ Pb	7
7.4	Measurement	8
8	Quality assurance and quality control programme	9
8.1	General	9
8.2	Influencing variables	9
8.3	Instrument verification	10
8.4	Contamination	10
8.5	Method verification	10
8.6	Demonstration of analyst capability	10
9	Expression of results	10
9.1	General	10
9.2	Yield determination	11
9.3	Calculation of activity concentration	12
9.4	Decision threshold	13
9.5	Detection limit	13
9.6	Confidence interval limits	13
10	Test report	14
Annex A (informative)	Spectra examples	15
Bibliography		17