

DIN EN ISO 11704:2015-11 (E)

Water quality - Measurement of gross alpha and beta activity concentration in non-saline water - Liquid scintillation counting method (ISO 11704:2010)

Contents		Page
	3
1	Scope	4
2	Normative references	4
3	Symbols, definitions and units	5
4	Principle	5
5	Reagents and equipment	6
6	Sampling	7
7	Procedure	7
7.1	Direct counting	7
7.2	Thermal preconcentration	8
7.3	Sample preparation	8
7.4	Liquid scintillation measurement	8
8	Expression of results	10
8.1	Calculation of activity per unit of mass	10
8.2	Standard uncertainty	11
8.3	Decision threshold	11
8.4	Detection limit	12
8.5	Confidence limits	12
8.6	Quality control	13
9	Interference control	13
9.1	Contamination	13
9.2	Ingrowth of radon	13
9.3	Loss of polonium	13
10	Test report	13
	Bibliography	15
	European foreword	15