ORANO LEA

Flytande radioaktiva standarder

Liquid calibration standards

Activity-characterized solutions for calibration and recurring quality checks in radiometric measurement.



Source form
Activity-characterized radioactive solution [1]

Use
Detector calibration, quality control and periodic performance verification [1]

Measurement methods
Gamma spectrometry or liquid scintillation counting [1]

Specifications

DETECTOR

Example radionuclides	H-3, C-14, Co-57, Co-60, Cs-137, Eu-152	[1]
Customization	Other catalog geometries or customer-supplied containers	[1]

SOFTWARE & DATA

Calibration protocol	COFRAC protocols; stated scope 2-6386	[1]

ENVIRONMENT & RATINGS

Source form	Activity-characterized radioactive solution	[1]
Standard containers	Ampoule, V-Vial, penicillin bottle or standardized bottle	[1]

GENERAL

Use	Detector calibration, quality control and periodic performance verification	[1]
Measurement methods	Gamma spectrometry or liquid scintillation counting	[1]
Example catalog concentrations	Approximately 0.04, 0.4, 40, 800 or 8,000 kBq/g, according to the selected reference	[1]
Published measurement uncertainty	1–8%, depending on nuclide and geometry	[1]
Manufacturing tolerance	±30%	[1]

Sources

[1] **Liquid sources**
LEA / Orano · product-page · product page; product page – radionuclide table · checked 2026-10-16
https://www.orano.group/lea/en/radioactive-sources/els-liquid-sources

Every value is taken from the manufacturer’s own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer’s published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.