

A-Z of Radioactive Standardised Solutions

Product Listing

Nuclide	Product description	NPL Product Code
Americium-241	10 Bq/g, 10 g nominal	R13-01
Americium-241	300 Bq/g, 10 g nominal	R13-02
Americium-241	4 kBq/g, 10 g nominal	R13-03
Americium-241	100 kBq/g, 10 g nominal	R13-05
Americium-243	1 Bq/g, 10 g nominal	R18-00
Americium-243	100 Bq/g, 10 g nominal	R18-20
Caesium-137	10 Bq/g, 10 g nominal	R03-01
Caesium-137	100 Bq/g, 10 g nominal	R03-02
Carbon-14 in Sodium Carbonate and Formaldehyde	100 Bq/g, 10 g nominal	R19-02
Carbon-14 in Sodium Carbonate and Formaldehyde	2 kBq/g, 10 g nominal	R19-03
Carbon-14 in Glucose	100 Bq/g, 10 g nominal	R43-02
Carbon-14 in Glucose	2 kBq/g, 10 g nominal	R43-03
Carbon-14 in Glucose	100 kBq/g, 10 g nominal	R43-05
Iodine-129	100 Bq/g, 10 g nominal	R14-02
Iodine-129	1 kBq/g, 10 g nominal	R14-03
Lead-210	1 Bq/g, 10 g nominal	R22-00
Lead-210	40 Bq/g, 10 g nominal	R22-01
Lead-210	350 Bq/g, 10 g nominal	R22-02
Lead-210	37 kBq/g, 5 g nominal	R22-03
Mixed Nuclide	10 Bq/g in 500ml HDPE bottle	R08-01
Mixed Nuclide	1 kBq/g, 10 g nominal	R08-03
Mixed Nuclide	10 kBq/g, 10 g nominal	R08-04
Mixed Nuclide Carrier Solution	500 g nominal	R08-Carrier
natural Uranium*	100 Bq/g (~50 Bq/g U-234 and U-238 and 2.5 Bq/g U-235), 10 g nominal	R47-02
natural Uranium*	200 Bq/g (~100 Bq/g U-234 and U-238 and 5 Bq/g U-235), 10 g nominal	R47-03
Nickel-63	2 kBq/g 10g nominal	R48-03
Plutonium-236	10 Bq/g, 5 g nominal	R37-01
Plutonium-238	10 Bq/g, 10 g nominal	R45-01
Plutonium-238	100 Bq/g, 10 g nominal	R45-02
Plutonium-238	1 kBq/g, 10 g nominal	R45-03
Plutonium-239**	50 Bq/g, 10 g nominal	R24-01
Plutonium-239**	1 kBq/g, 10 g nominal	R24-03

A limited quantity of the Mixed Nuclide is prepared annually in the spring. Stocks will be allocated subject to receipt of purchase orders. (Reference Date 1st June), despatch dates to be confirmed once produced.

* Delivery of natural Uranium products outside the EU is subject to Export Control Regulations

** Delivery of Plutonium-239 products outside the UK is subject to Export Control Regulations

Please refer to NPL radioactivity staff for pricing
Email: radioactivity@npl.co.uk

A-Z of Radioactive Standardised Solutions

Product Listing

Nuclide	Product description	NPL Product Code
Plutonium-241	10 Bq/g, 10 g nominal	R35-01
Plutonium-241	150 Bq/g, 10 g nominal	R35-02
Plutonium-241	4 kBq/g, 5 g nominal	R35-03
Plutonium-242	1 Bq/g, 10 g nominal	R15-00
Plutonium-242	12.5 Bq/g, 10 g nominal	R15-20
Radium-226	100 Bq/g, 10 g nominal	R36-02
Radium-226	2 kBq/g, 10 g nominal	R36-03
Radium-226	40 kBq/g, 5 g nominal	R36-04
Radium-228	10 Bq/g, 5 g nominal	R42-01
Strontium-90	100 Bq/g, 10 g nominal	R01-03
Strontium-90	2 kBq/g, 10 g nominal	R01-05
Strontium-90	40 kBq/g, 10 g nominal	R01-04
Technetium-99	100 Bq/g, 10 g nominal	R11-02
Technetium-99	1 kBq/g, 10 g nominal	R11-03
Thorium-229***	1 Bq/g, 10 g nominal	R26-00
Thorium-229***	10 Bq/g, 10 g nominal	R26-01
Thorium-229***	100 Bq/g, 10 g nominal	R26-02
Tritium	10 Bq/g, 10 g nominal	R30-01
Tritium	100 Bq/g, 10 g nominal	R30-02
Tritium	5 kBq/g, 10 g nominal	R30-04
Tritium in Glucose	1 kBq/g, 10 g nominal	R44-03
Uranium-232****	1 Bq/g, 10 g nominal	R20-00
Uranium-232****	10 Bq/g, 10 g nominal	R20-15
Uranium-232****	100 Bq/g, 10 g nominal	R20-02
Uranium-232****	5 kBq/g, 10 g nominal	R20-03
Uranium-233*****	1 Bq/g, 10 g nominal	R46-00
Uranium-233*****	10 Bq/g, 10 g nominal	R46-01
Uranium-233*****	100 Bq/g, 10 g nominal	R46-02
Uranium-233*****	1 kBq/g, 10 g nominal	R46-03
Uranium-236	10Bq/g, 10 g nominal	R41-01
Uranium-236	100Bq/g, 10 g nominal	R41-02
Uranium-236	900Bq/g, 10 g nominal	R41-03

*** Delivery of Thorium products outside the EU is subject to Export Control Regulations

**** Delivery of Uranium-232 products may be subject to UK Export Control Regulations

***** Delivery of Uranium-233 products outside the EU is subject to Export Control Regulations

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