



Nuclear Reference Material Program

Price List
2026

Please contact NRMPSales@nnsa.doe.gov with questions or to request a quote.

Uranium and Thorium CRMs

CRM ID	Description (nominal values)	Size/Unit	Price
Uranium/Thorium Ores			
CRM 001A (50g)	Phosphate Rock Ore (0.015% U)	50 g	\$925
CRM 004 (100g)	Carnotite Ore (0.18% U ₃ O ₈)	100 g	\$925
CRM 005 (100g)	Carnotite Ore (0.11% U ₃ O ₈)	100 g	\$925
CRM 042A (1-4)	Pitchblende-Dunite Mixture (0.5, 1, 2, 4% g U/g)	4x100 g	\$2,025
CRM 101A (50g)	Pitchblende Ore-Silica Mixture (1% U)	50 g	\$925
CRM 102A (50g)	Pitchblende Ore-Silica Mixture (0.1% U)	50 g	\$925
CRM 103A (50g)	Pitchblende Ore-Silica Mixture (0.05% U)	50 g	\$925
CRM 104A (50g)	Pitchblende Ore-Silica Mixture (0.01% U)	50 g	\$925
CRM 105A (50g)	Pitchblende Ore-Silica Mixture (0.001% U)	50 g	\$925
CRM 106A (50g)	Monazite Sand-Silica Mixture (1% Th)	50 g	\$925
CRM 107A (50g)	Monazite Sand-Silica Mixture (0.1% Th)	50 g	\$925
CRM 108A (50g)	Monazite Sand-Silica Mixture (0.05% Th)	50 g	\$925
CRM 109A (50g)	Monazite Sand-Silica Mixture (0.01% Th)	50 g	\$925
CRM 110A (50g)	Monazite Sand-Silica Mixture (0.001% Th)	50 g	\$925
Uranium Spikes, Metals, Oxides and Others			
CRM 111 (10g)	U-233 Spike, Solution (99.92% U-233) 5 mg U	5 mg U	\$5,370
CRM 111A (10g)	U-233 Spike, Solution (99.49% U-233) 5 mg U	5 mg U	\$4,010
CRM 112A (4g)	Uranium (Normal) Metal (0.99975 g U/g) 4 g	4 g	\$2,025
CRM 112A (26g)	Uranium (Normal) Metal (0.99975 g U/g) 26 g	26 g	\$4,050
CRM 113B	Uranium Hexafluoride (4.5% U-235)	~1.7 kg	\$80,810

CRM ID	Description (nominal values)	Size/Unit	Price
CRM 115 (75g)	Uranium (Depleted) Metal (0.99977 g U/g) 75 g**	75 g U	\$4,050
CRM 115 (1g)	Uranium (Depleted) Metal (0.99977 g U/g) 1 g	1 g U	\$2,025
CRM 116A (1g)	Uranium (Enriched) Metal, 93%	1 g U	\$6,690
CRM 123 (1-7)	Uranium (Normal) Oxide U ₃ O ₈ 18 Element Impurity	7x25 g	\$3,155
CRM 125A (5g)	Uranium (Enriched) Oxide UO ₂ (88% U; 4% U-235)	5.4 g	\$925
CRM 129A (25g)	Uranium (Natural) Oxide U ₃ O ₈ (0.847 gU/g)	25 g	\$1,470
CRM 129A (1g)	Uranium (Natural) Oxide U ₃ O ₈ (0.847 gU/g)	1 g U	\$1,060
CRM 145 (20g)	Uranium (Normal) Assay Solution (10 mg U/g)	0.2 g U	\$1,060
CRM 146	Uranium Gamma Spectrometry Set (20%, 53%, and 93% ²³⁵ U)		\$80,430
CRM 969	Uranium Gamma Spectrometry Set (0.32%, 0.71%, 1.97%, 2.99%, and 4.52% ²³⁵ U)		\$23,940
U-series Isotopic Standards ¹			
U0002 (10 mg)	Uranium (Depleted) Isotopic- U ₃ O ₈ , 0.02%	10 mg U	\$1,265
U005A (10mg)	Uranium (Depleted)- U ₃ O ₈ , 0.5%	10 mg U	\$1,265
U010 (5mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 1%	5 mg U	\$1,060
U010 (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 1%	10 mg U	\$1,265
U015 (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 1.5%	10 mg U	\$1,265
U020A (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 2%	10 mg U	\$1,265
U030A (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 3%	10 mg U	\$1,265
U045 (5mg)	Uranium (Enriched) Isotopic Solution, 4.5%	5 mg U	\$1,482
U100 (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 10%	10 mg U	\$1,265
U150 (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 15%	10 mg U	\$1,265
U200 (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 20%	10 mg U	\$1,265
U350 (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 35%	10 mg U	\$1,265

CRM ID	Description (nominal values)	Size/Unit	Price
U500 (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 50%	10 mg U	\$1,265
U630 (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 63%	10 mg U	\$1,265
U750 (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 75%	10 mg U	\$1,265
U800 (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 80%	10 mg U	\$1,265
U850 (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 85%	10 mg U	\$1,265
U900 (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 90%	10 mg U	\$1,265
U930D (5mg)	Uranium (Enriched) Isotopic Solution, 93%	5 mg U	\$1,375
U970 (10mg)	Uranium (Enriched) Isotopic- U ₃ O ₈ , 97% ³	10 mg U	\$1,265

Notes:

¹ U series CRMs units containing 1 g of uranium are available for the listed oxide materials. Please contact NRMPsales@nnsa.doe.gov for more information.

² Limited quantity; order confirmation will be assessed on a case-by-case situation

³ Temporarily unavailable



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Plutonium Certified Reference Materials Price Lists

CRM ID	Description (nominal values)	Size/Unit	Price
CRM 128 (1mg)	Plutonium 239:242 1:1 Isotopic, Dry Nitrate	1 mg Pu	\$4,010
CRM 130 (1mg)	Plutonium-242 Spike, Dry Nitrate (99.95% Pu-242)	1 mg Pu	\$2,460
CRM 131 (1mg)	Plutonium-244 Spike, Dry Nitrate (97.9% Pu-244)	1 mg Pu	\$5,560

Due to the nature of the items listed below, a significant packaging and shipping cost will be incurred along with possible significant licensing issues. The NRMP Program Office cannot guarantee their availability and orders are evaluated on a case-by-case basis per applicable regulations. Please contact the NRMP Program Office at NRMPSales@nnsa.doe.gov to express interest in these items.

CRM ID	Description (nominal values)	Size/Unit	Price
CRM 122 (0.9g)	Plutonium Oxide PuO ₂ (87.79% Pu; 87% Pu-239)	0.9 g Pu	\$7,940
CRM 126A (1g)	Plutonium Metal Standard (0.99960 g Pu/g; 94% Pu-239)	1 g Pu	\$14,950
CRM 136 (250mg)	Plutonium Isotopic Standard, 12% Pu-240, sulfate	0.25 g Pu	\$5,600
CRM 137 (250mg)	Plutonium Isotopic Standard, 18% Pu-240, sulfate	0.25 g Pu	\$7,940
CRM 138 (250mg)	Plutonium Isotopic Standard, 8% Pu-240, sulfate	0.25 g Pu	\$5,600
CRM 136 (10mg)	Plutonium Isotopic Standard, 12% Pu-240, sulfate	0.01 g Pu	\$7,940
CRM 137 (10mg)	Plutonium Isotopic Standard, 18% Pu-240, sulfate	0.01 g Pu	\$5,600
CRM 138 (10mg)	Plutonium Isotopic Standard, 8% Pu-240, sulfate	0.01 g Pu	\$7,940