



**Seamodal**  
Transport Corporation

District Office

No. 2 Commercial Place  
P.O. Box 3709  
Norfolk, VA 23514

Phone 804 625 1928  
TLX 710 881 1110

RECEIVED  
U.S. NRC

1980 APR 30 PM 3 45

EXPORT/IMPORT  
AND  
INTERNAT'L SFGROD

April 28, 1980

Mrs. Betty Wright  
Licensing Reviewer  
Export/Import and International Safeguards  
Office of International Programs  
U.S. Nuclear Regulatory Commission  
Washington, D C. 20555

RE: Export License  
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Dear Mrs. Wright:

Enclosed is a completed Application for License to Export Nuclear Material and Equipment on behalf of U.S. Dept. of Commerce, National Bureau of Standards in Gaithersburg Maryland. Please issue the export license in their name.

If any questions exist or problems arise please feel free to contact me.

Sincerely,  
SEAMODAL TRANSPORT CORP.

Clifton N. Byrd  
Assistant District Manager

CNB/bb  
encl.

5-14-80. Ruth Meyer, NBS, advised that license should be issued to Seamodal -- NOT NB. I so advised Mr. Byrd, and also requested an end use statement. He will cable B.C.M.N. today and advise us as soon as he receives response. Bluebird

del  
00010

BUREAU CENTRAL DE MESURES NUCLEAIRES

Price-list  
 Cat. 1977.

GEEL (BELGIE) STEENWEG NAAR RETIE  
 TEL. 911/58.94.21 - TELEX: EURATOM GEEL B 33.509

National Bureau of Standards  
 Office of Standard Reference  
 Materials,  
 Room B-211 Chemistry Building  
 Washington, D.C. 20234 - U.S.A.

Nous vous prions de bien vouloir nous livrer à notre adresse, FRANCO  
 BCMN, Geel, par vos soins  
 aux besoins officiels des Communautés,  
 qu'.....  
 les marchandises reprises ci-après :

BON DE COMMANDE

N° 20721/022  
 du 18.10.79  
 (à rappeler dans toute correspondance)

Poste	DESIGNATION DES MARCHANDISES	Unités	Quantités	MONNAIE DE PAIEMENT :	
				PRIX : Unitaire	Total
1.	Units of SRM 960 Uranium metal, assay	g.	20	84.--	1.680.--
2.	Units of SRM 949e Plutonium metal, assay	"	20	192.--	3.840.--
3.	Units of SRM 944 Plutonium sulfate tetrahydrate assay	"	20	86.--	1.720.--
4.	Units of SRM 946 Plutonium 72% isotopic	"	5	100.--	500.--
5.	Units of SRM 947 Plutonium 70% isotopic	"	5	100.--	500.--
6.	Units of SRM 948 Plutonium 6% isotopic	"	5	77.--	385.--
<p><u>The goods must be marked as follows:</u></p>		<p>RECEIVED                  U.S. NRC</p> <p>1980 APR 30 PM 3 45</p> <p>EXPORT/IMPORT                  AND                  INTERNAT'L SFGRDS</p>			
<p>Technical responsibility : H. Gallet</p>		<p>Emballage                  Assurance                  Transport                  Montage                  Formalités Douanières</p>		<p>to be invoice                  Y/risks.                  to be invoice                  -                  to be invoice</p>	
<p>DELAI DE LIVRAISON: stock.</p>				<p>USD. TOTAL 8.245.--</p>	
<p>GARANTIE: of the factory.</p>					
<p>CONDITIONS DE PAIEMENT: within 60 days after receipt of the goods.</p>		<p>FORMULE DE REVISION DES PRIX</p>			

POOR ORIGINAL

# National Bureau of Standards

## PRICE LIST OF SPECIAL NUCLEAR STANDARD REFERENCE MATERIALS

### PLUTONIUM ASSAY STANDARDS

SRM	Type	Certified for	Wt. Unit (grams)	Purity (%)	Price (\$)
944	Plutonium sulfate tetrahydrate	Plutonium Content	0.5	47.50*	92.00
945	Plutonium metal, standard matrix	Impurities	5	(99.9)	515.00
949c	Plutonium metal assay	Plutonium Content	0.5*	99.996	170.00
955	Plutonium - 244 Spike	IN PREP			

\*Stoichiometric Nominal weight (Values in parentheses are not certified, but are given for information only.)

### PLUTONIUM ISOTOPIC STANDARDS

SRM	Type	Wt. Unit (grams)	Atom Percent					Price (\$)
			<sup>238</sup> Pu	<sup>239</sup> Pu	<sup>240</sup> Pu	<sup>241</sup> Pu	<sup>242</sup> Pu	
946	Plutonium Sulfate Tetrahydrate	0.25	0.247	83.128	12.069	3.991	0.565	161.00
947	Plutonium Sulfate Tetrahydrate	.25	.296	75.696	18.288	4.540	1.180	161.00
948	Plutonium Sulfate Tetrahydrate	0.25	.011	91.574	7.914	0.468	0.0330	84.00

### URANIUM ASSAY STANDARDS

SRM	Type	Certified for	Wt. Unit (grams)	Purity (%)	Price (\$)
950b	Uranium Oxide	Uranium Oxide	25	99.968 (U <sub>3</sub> O <sub>8</sub> )	54.00
960	Uranium Metal	Uranium	26	99.975 (U)	62.00
993	Uranium - 235 Spike (solution)	Uranium	15	99.8195 (U-235)	134.00

Standard Reference Materials (SRM's) 950b, Uranium Oxide, and 960, Uranium Metal, do not require a license.

### URANIUM ISOTOPIC STANDARDS

SRM	Uranium Oxide (U <sub>3</sub> O <sub>8</sub> )	Wt. (grams)	Atom Percent				Price (\$)
			<sup>234</sup> U	<sup>235</sup> U	<sup>236</sup> U	<sup>238</sup> U	
U-002	Depleted	1.0	0.00016	0.01755	<0.00001	99.9823	73.00
U-005	Depleted	1.0	.00218	.4895	.0046	99.504	66.00
U-010	Enriched	1.0	.00541	1.0037	.00681	98.984	66.00
U-015	Enriched	1.0	.00850	1.5323	.0164	98.443	66.00
U-020	Enriched	1.0	.0125	2.038	.0165	97.933	66.00
U-030	Enriched	1.0	.0190	3.046	.0204	96.915	66.00
U-050	Enriched	1.0	.0279	5.010	.0480	94.915	66.00
U-100	Enriched	1.0	.0676	10.190	.0379	89.704	67.00
U-150	Enriched	1.0	.0993	15.307	.0660	84.528	68.00
U-200	Enriched	1.0	.1246	20.013	.2116	79.651	69.00
U-350	Enriched	1.0	.2498	35.190	.1673	64.393	72.00
U-500	Enriched	1.0	.5181	49.696	.0755	49.711	73.00
U-750	Enriched	1.0	.5923	75.357	.2499	23.801	79.00
U-800	Enriched	1.0	.6563	80.279	.2445	18.820	79.00
U-850	Enriched	1.0	.6437	85.137	.3704	13.848	80.00
U-900	Enriched	1.0	.7777	90.196	.3327	8.693	81.00
U-930	Enriched	1.0	1.0812	93.336	.2027	5.380	83.00
U-970	Enriched	1.0	1.6653	97.663	.1491	0.5229	83.00

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