



APPENDIX II
URANIUM HEXAFLUORIDE SPECIFICATIONS

The following specifications apply to uranium hexafluoride produced from natural (non-irradiated) uranium:

<u>Item</u>	<u>Numerical Value</u>
Maximum vapor pressure of filled container at 200°F in pounds per square inch, absolute.....	75
Minimum weight percent of UF ₆ in material.....	99.5
Maximum mol percent of hydrocarbons, chlorocarbons, and partially substituted halohydrocarbons.....	0.01
Maximum number of parts of elements indicated per million parts of total uranium:	
Antimony	1
Arsenic	3
Boron.....	1
Bromine.....	5
Chlorine.....	100
Chromium	10
Molybdenum	2
Niobium	1
Phosphorus.....	50
Ruthenium.....	1
Silicon	100
Tantalum	1
Titanium	1
Tungsten.....	2
Vanadium.....	2
Uranium-236	20.0
Maximum total number of parts of the following listed elements forming nonvolatile fluorides (having a vapor pressure of one atmosphere or less at 572°F) per million parts of total uranium.....	300

(aluminum, barium, beryllium, bismuth, cadmium, calcium, chromium, copper, iron, lead, lithium, magnesium, manganese, nickel, potassium, silver, sodium, strontium, thorium, tin, zinc, and zirconium.)

(Reviewed December 2011, complies with ASTM C787-11)