

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.....	1.4
Niobium	1
Phosphorus.....	50
Ruthenium.....	1
Silicon	100
Tantalum	1
Titanium.....	1
Tungsten	1.4
Vanadium.....	1.4
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.)