

Example of Uranium Concentrate Specifications at MTW		
Component	“Standard Concentrates”	“Maximum Limit Concentrates”
Uranium (U)	75%	65% min.
Arsenic (As)	0.01%	0.04%
Barium (Ba)	0.01%	0.04%
Boron (B)	0.005%	0.10%
Cadmium (Cd)	0.01%	0.04%
Calcium (Ca)	0.05%	1.00%
Carbonate (CO ₃)	0.20%	0.50%*
Chromium (Cr)	0.01%	0.04%
Fluoride (F)	0.01%	0.10%
Halides (Br, Cl, I)	0.05%	0.10%
Iron (Fe)	0.15%	0.50%
Lead (Pb)	0.01%	0.04%
Magnesium (Mg)	0.02%	0.50%
Mercury (Hg)	0.01%	0.04%
Moisture (H ₂ O)	1.0%	2.00%
Molybdenum (Mo)	0.10%	0.30%
Phosphorus (PO ₄)	0.10%	1.00%
Potassium (K)	0.20%	1.00%
Selenium (Se)	0.01%	0.04%
Silica (SiO ₂)	0.50%	2.00%
Silver (Ag)	0.01%	0.04%
Sodium (Na)	0.50%	3.00%
Sulfur (S)	1.00%	4.00%
Thorium	0.10%	0.50%
Titanium	0.01%	0.05%
U-234	56 g/gU	62 g/gU
Vanadium (V)	0.10%	0.75%
Zirconium (Zr)	0.01%	0.50%