

Table 8a
Uranium Element Mass Fraction (COMPUCEA)

Physical Form	Chemical Form	Uncertainty Component (% rel., k=1)		ITV (% rel. , k=1)	Notes
		u(r)	u(s)		
Powder	UO ₂ , U ₃ O ₈	0.2	0.2	0.28	<u>1/</u>
Pellet	UO ₂	0.2	0.1	0.22	
Solution	UNH	0.15	0.15	0.21	<u>2/</u>
Other Solid	UF ₆	0.1	0.1	0.14	<u>3/</u>

Uncertainty categories:

ITV: are presented in black font

Prospective Values: are presented in blue font

1/ Including pure ADU, AUC, UO₃ powders

2/ Concentration from 150 gU/L to 400 gU/L. The ITVs are also applicable to UO₂F₂ solutions in the same concentration range

3/ Assuming no material degradation (e.g. due to moisture intake) during or after sample taking