

Evaporant name	Cr	Density (g/cm3)	7.200	
Atomic number	24	Z factor	0.305	
Atomic/molar mass (g/mol)	51.996	Database	Completed	
Physical properties		Operational details		
Tm (oC)	1857	Ramp temp T1 (oC)	750	
Tv (oC) at 1e-8 Torr	837	Temp. change rate 1 (oC/ min)	10	(RT ~ Ti)
Tv (oC) at 1e-4 Torr	1157	Ramp temp. T2 (oC)	N/A	
Chemical properties		Temp. change rate 2 (oC/ min)	N/A	(Ti ~ T')
Sensitivity to air	N/A	Estimated Tg (oC)	1280	
Sensitivity to moisture	N/A	Temp. change rate 3 (oC/ min)	10	(T' ~ Tg)
Toxicity to human body	N/A	Maximum set point (oC)	1650	
Flamability	N/A	Expected growth rate (A/s)	0.04	
Radioactivity	N/A	Source shape	pieces	
Conditions to avoid	N/A	Sealing / Handling	in air	in air
Method of disposal	Offer surplus and non-recyclable solutions to a licensed disposal company.	Cell type / Crucible volume (cc)	HT	11 cc (HT)
		Cell position / Crucible material	cell 2	Al2O3
Notes				
Molten source				
Evaporation category	Category I: Materials which sublime/can be evaporated in solid phase.			
Notes	Use gloves when handling, in glovebox.			
Past records	04/04/2019 ~, HT(9808-7)/Al2O3, Ti = 850 degC&Tg = 1280 degC, ~ 0.04 A/s			
Date	16/03/2020	Main user name	Yoshiko Nanao	