



Crystal size	~3-4 mm in size (note: doped crystals cannot be large due to reduced growth speeds)
Dopants	n-type $\sim 10^{17-18} \text{cm}^{-3}$ (Re or Au dopant) (other dopants on request)
Material properties	1.56 eV emission (300K), direct gap semiconductor
Crystal structure	Hexagonal phase
Unit cell parameters	$a = b = 0.330 \text{ nm}$, $c = 1.292 \text{ nm}$, $\alpha = \beta = 90^\circ$, $\gamma = 120^\circ$
Growth method	[Default] Flux zone (no halide contamination) defect free [Optional CVT]: Contains Br_2 , Cl_2 , TeCl_4 , and other halides
Purity	99.9999 % confirmed

