

Gd –compounds radiopurity according ICP-MS data (Mendeleev University)

	TDM96 (RU) Gd ₂ O ₃ ,	TDM96 (RU) Gd ₂ O ₃ after 3 rd stage of purification	Lankhit (RU) GdCl ₃	Nanopowder Gd ₂ (SO ₄) ₃ (99.9%)	Nanopowder Gd ₂ O ₃ -304 (99.9 %)
Th, mBq/kg (Standard deviation, mBq/kg)	184 (52)	12 (4)	17.0 (0.8)	472(51)	132(13)
U, mBq/kg (Standard deviation, mBq/kg)	440 (43)	117 (37)	8.3 (0.6)	22(1)	2005(93)
				NEW DATA	NEW DATA

1 Bq ²³⁸U/kg = 81 ppb U

1 Bq ²³²Th/kg = 246 ppb Th