

Source	Barium 133		2020	
Activity in	18.8 μ Ci	18.8 x 37000	Bq	
			695600 Bq	6.96E+05
			695.6 KBq	
			0.6956 MBq	
			0.0006956 TBq	

Table 173.436					What We Have
	activity for exempt	100 Bq/g	1×10^6 Bq		6.96E+05
	2.7×10^{-9}	Ci/g	2.7×10^{-5} Ci		1.88E-05

Table 173.425		
	Instrument and article	limited qty package limits
	limit for each instru package limit	
Solid		
Special For	$10^{-2} A_1 = 10^{-2}$ TBq A_1	$10^{-3} A_1 = 10^{-2}$ TBq
Normal Fo	$10^{-2} A_2 = 10^{-2}$ TBq A_2	$10^{-3} A_2 = 10^{-3}$ TBq

less than required for limited quantity, not qualify as Rad shipment

Bq
Ci

LSC Wallac 1414

Source	Europium 152	2001	2020 half life
Activity in Instrument	12 μ Ci	12 x 37000 Bq	4.4419
		444000 Bq	4.419 x 10 ⁻⁶
		444 KBq	
		0.444 MBq	
		4.44 x 10 ⁻⁷ TBq	

173.436	activity for exempt	10 Bq/g	1 x 10 ⁶
		2.7 x 10 ⁻¹⁰ Ci/g	2.7 x 10 ⁻⁵

Table 173.425

	Instrument and article limit for each instrument	package limit	limited qty package limits
Solid			
Special Form	10 ⁻² A ₁ = 10 ⁻² TBq	A ₁	10 ⁻³ A ₁ = 10 ⁻² TBq
Normal Form	10 ⁻² A ₂ = 10 ⁻² TBq	A ₂	10 ⁻³ A ₂ = 10 ⁻³ TBq

less than required for limited quantity, not qualify as Rad shipment

μCi 164359 Bq
Ci 1.6×10^5 Bq

Bq 1.6×10^5 Bq
Ci 4.419×10^{-6} Ci