

BASIC TECHNICAL DATA AND SPECIFICATIONS

**Strontium Carbonate with Sr-90 radionuclide**

Parameters	Description/Value
Chemical compound formula	Sr CO <sub>3</sub>
Specific activity of Sr-90 radionuclide in bulk isotopes, Ci/g not less	18-24*
Radioactive impurities content by activity:	
• Alpha-emitting impurities content by activity, nCi/mCi of Sr-90, not more than	1.5
• Beta-emitting impurities content by activity, μCi/mCi of Sr-90, not more than	0.10
• Gamma-emitting impurities content by activity, %, not more than	2,0·10 <sup>-2</sup>
Y-90 radionuclide content by activity	in equilibrium
Mass fractions of cationic impurities, μg/mCi of Sr-90	
Al, not more than	2.0
Ba , not more than	1.0
Pb , not more than	0.50
Sn , not more than	0.10
Mg , not more than	3.0
Si , not more than	24
Mn, not more than	0.30
Fe, not more than	2.0

\*Specific activity of material available in stock is advised on request

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