3. Material Package and Container Description

Essential Information Element	Description	Type of Information	Units	Possible Values	Notes, etc.
Parent Container ID	ID of the parent package	Integer			
Container ID	ID of sample container	Integer			
Shipping Mode	Shipping Code	String		Air, truck, rail, water	
Package ID Number	Model number from package nameplate	String			
Package Serial Number	Serial number from package nameplate	String			
Is packaging information available?	Flag	Binary		Y/N	

Essential Information Element	Description	Type of Information	Units	Possible Values	Notes, etc.
Shape of container	Shape	Multiple choice		Cylinder, Cuboid, Sphere, Annulus, Irregular	
Shape cylinder_H	Height of cylinder	Decimal	m		
Shape cylinder_D	Diameter of cylinder	Decimal	m		
Shape cuboid_L	Length of box	Decimal	m		
Shape cuboid _W	Width of box	Decimal	m		
Shape cuboid _T	Thickness of box	Decimal	m		
Shape Sphere	Diameter of sphere	Decimal	m		
Shape annular H	Height of annular cylinder	Decimal	m		
Shape annular ID	Inner diameter	Decimal	m		
Shape annular OD	Outer diameter	Decimal	m		

Essential Information Element	Description	Type of Information	Units	Possible Values	Notes, etc.
Package shape comments	package shape	String			
Shape irregular		String			
Mass of container and sample		Decimal	kg		
Mass of container only					
Container Mass Uncertainty	mass uncertainty	Decimal	%		*Uncertainty representation recommended by data vetting group*
Container Mass Uncertainty Sigma	Sigma level on uncertainty	String		1sigma, 2sigma, 3sigma	*A field to identify sigma levels, non-uniform uncertainties, etc*
Container Mass uncertainty type	Uncertainty type	String		GUM, std dev, assigned (historical, Subject Matter Expert, calculated, pooled, analyst)	*A field to identify origin of uncertainty estimates*

Essential Information Element	Description	Type of Information	Units	Possible Values	Notes, etc.
Package Materials	Major identifiable materials of construction			Stainless Steel, Steel, depleted uranium, lead, wood, plywood, other (specify)	
Other Contents - material	Other material in package	Text		Polyethylene baggie, glass ampoule, metal container, sealed food pack can, aluminum foil, other (specify)	
Other Contents – ID numbers	ID numbers for other contents	Text			

Essential Information Element	Description	Type of Information	Units	Possible Values	Notes, etc.
Package certified contents	Maximum quantities of radionuclides that can be shipped safely in the package	Activity or mass of individual isotopes or elements			*Examples: 1 megacurie of Co-60, 1 metric ton of uranium contained in UF6 enriched to <5% U-235, 1 PWR fuel assembly with a burnup of less than 55,000 MWD/MTU and a cooling time of 5 years or more, up to 14 watts of thermal power. Element-by-element curie limits are typical. Mass limits and burnup/cooling time limits and thermal power limits are less frequently used.*
Package surface dose rate	Measured dose rate at package surface	Decimal	mrem/hr or mSv/hr		
Package dose rate at 1 meter	Measured dose rate at 1 meter form package	Decimal	mrem/hr or mSv/hr		

Essential Information Element	Description	Type of Information	Units	Possible Values	Notes, etc.
Package/Container File Upload	File upload	Character		Upload list of files that for package/container description, pictures, etc	