



CESIUM 137 (Cs-137)

INDUSTRIAL ISOTOPE DATASHEET

WHY CESIUM 137?

Cesium-137 provides long-term stability and reliable gamma output, making it suitable for specialised radiography and industrial measurement applications.

- Radiography (specialised)
- Density gauges
- Level measurement
- Process control systems

KEY ADVANTAGES

- Long half-life (30.17 years)
- Stable output
- Cost-effective long-term solution
- Reduced replacement frequency



TECHNICAL SPECIFICATIONS

Half-life	30.17 years
Gamma Energy	662 keV
Typical Application	Medium thickness / measurement
Steel Thickness Range	40 – 200 mm
Exposure Rate Constant	3.3 R·cm ² /mCi·hr
Decay	Barium-137m

SHIELDING REFERENCE GUIDE

Material	Half Value Thickness
Lead	~6.5 mm
Steel	~17 mm
Concrete	~50 mm



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