

## **Standard Cartridge Case**

Art. ID	NIST-2461
Unit	1 each
Deliverydetails	No Dangerous Good /not restricted

### Description

The Standard Reference Material (SRM) 2461 Standard Cartridge Case is a physical standard that provides markings of a fired cartridge case. The SRM is intended primarily for use as a check standard for forensic laboratories to support measurement quality assurance (QA): first, to help verify that the repeatability and reproducibility of cartridge case topography images (three dimensional images) obtained by computerized optical equipment and associated image correlations are within tolerances set by the laboratory, second, to establish ballistics measurement traceability to a set of three master reference artifacts and their measurements from NIST, and third, to facilitate laboratory assessment and accreditation. A unit of NIST-2461 consists of a circular electroformed nickel plate, replicated from the head of a fired master cartridge case, which contains a surface topography signature of a breech face impression, a firing pin impression, and an ejector mark. The analyzed breech face impression signature includes a small region of aperture shear marks. The electroformed plate is cemented to a brass cylinder holder so that the assembly resembles a real fired cartridge case.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Areal Cross Correlation Function Maximum (ACCFmax) and Signature Difference (Ds): Please ask for the current certificate						