

## **Tin Alloy (Sn-3Cu-0.5Ag) - Cr, Cd, Hg, Pb, As, Sb**

|                 |                                   |
|-----------------|-----------------------------------|
| Art. ID         | NIST-1728                         |
| Unit            | disc                              |
| Deliverydetails | No Dangerous Good /not restricted |

### Description

This Standard Reference Material (SRM®) is a tin solder alloy formulated from tin, copper, and silver. NIST-1728 is intended for use in the evaluation of chemical and instrumental methods of analysis and in calibration of analyses for bulk elemental composition. In addition to methods that require disk-form specimens, NIST-1728 may be used with test methods in which chips of the material are digested to prepare solutions for measurements. Each unit of NIST-1728 consists of one disk approximately 39 mm in diameter and 15 mm thick, certified to a depth of 10 mm from its original test surface. Certified values /// Sample value(s) - please ask for current certificate.

| Text/Information | Analyte/Parameter | CAS number  | Concentration/Value | Unit | Method | Source |
|------------------|-------------------|-------------|---------------------|------|--------|--------|
|                  | Silver (Ag)       | [7440-22-4] | 0,4591              | %    |        |        |
|                  | Copper (Cu)       | [7440-50-8] | 3,06                | %    |        |        |
|                  | Arsenic (As)      | [7440-38-2] | 0,0096              | %    |        |        |
|                  | Cadmium (Cd)      | [7440-43-9] | 0,00582             | %    |        |        |
|                  | Iron (Fe)         | [7439-89-6] | 0,0111              | %    |        |        |
|                  | Mercury (Hg)      | [7439-97-6] | 0,011198            | %    |        |        |
|                  | Nickel (Ni)       | [7440-02-0] | 0,00817             | %    |        |        |
|                  | Lead (Pb)         | [7439-92-1] | 0,0544              | %    |        |        |
|                  | Sulfur (S)        | [7704-34-9] | 0,00349             | %    |        |        |