

**Powder Diffraction Line Profile Standard for Crystallite Size Analysis (Nano-Crystalline ZnO Powder)**

Art. ID                      NIST-1979  
Unit                         2 x 3 g  
Deliverydetails            No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM) is intended for use in the analysis of crystallite size through the degree of profile broadening in a powder diffraction experiment. A unit of SRM 1979 consists of two samples of zinc oxide powder, the first with a median crystallite size of approximately 15 nm and a second with a median of approximately 60 nm. These samples are referred to hereafter as the ?15 nm crystallites? and ?60 nm crystallites? respectively. Each sample contains approximately 3 g of powder bottled in an argon atmosphere.

| Text/Information                       | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|--|-------------------|------------|---------------------|------|--------|--------|
| Please ask for the current certificate |                   |            |                     |      |        |        |