

**Out of Stock - Item is not available at this time - Silicon Nitride Powders for Quantitative Analysis by Powder Diffraction**

|                 |                                   |
|-----------------|-----------------------------------|
| Art. ID         | NIST-656                          |
| Unit            | 2 x 10 g                          |
| Deliverydetails | No Dangerous Good /not restricted |

**Description**

This Standard Reference Material (SRM®) consists of two powders intended for quantitative analysis of the alpha and beta polymorphs of silicon nitride via powder diffraction methods. The powders are combinations of the alpha and beta polymorphs, one is high in the alpha phase content (alpha 656), while the other contains a larger amount of the beta polymorph (beta 656). This selection allows the user to choose the powder which is optimal for their specific analysis. A unit of NIST-656 consists of approximately 10 g of each powder. /// Sample value(s) - please ask for current certificate.

| Text/Information                    | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|-------------------------------------|-------------------|------------|---------------------|------|--------|--------|
| alpha 656 (High alpha Phase Powder) | alpha Phase       |            | 87,5 ± 0,59         | %    |        |        |
| alpha 656 (High alpha Phase Powder) | beta Phase        |            | 3,0 ± 0,05          | %    |        |        |
| alpha 656 (High alpha Phase Powder) | Amorphous         |            | 9,5 ± 0,61          | %    |        |        |
| beta 656 (High beta Phase Powder)   | alpha Phase       |            | 16,3 ± 0,81         | %    |        |        |
| beta 656 (High beta Phase Powder)   | beta Phase        |            | 75,1 ± 2,54         | %    |        |        |
| beta 656 (High beta Phase Powder)   | Amorphous         |            | 8,6 ± 0,60          | %    |        |        |