

## Certificate of Analysis

Date of Testing: 2023-03-30 15:33:15

Date of Next Testing: 2027-03-29 15:33:15

Product Name: **Silicon nitride**

CAS Number: 12033-89-5

Specifications & Purity:  $\beta$ -phase, 99.9% metals basis

Lot #: C23231095

SKU #: **S106134**

Analysis: **173519**

| Parameter                               | Limit Values                      | Result                            |
|-----------------------------------------|-----------------------------------|-----------------------------------|
| Total Metallic Impurities               | 0-1000 (ppm)                      | 281.00 ppm                        |
| Purity (Based On Trace Metals Analysis) | 99.9-100 (%)                      | 99.97 %                           |
| Appearance (S106134)                    | off-white to grey or beige powder | off-white to grey or beige powder |
| phase( $\beta$ )                        | $\beta$ -phase                    | $\beta$ -phase                    |
| X-Ray Diffraction                       | Conforms to Structure             | Conforms to Structure             |



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