

## Certificate of Analysis

Date of Testing: 2022-08-26 16:54:32  
Date of Next Testing: 2026-08-25 16:54:32  
Product Name: **Silicon nitride**  
CAS Number: 12033-89-5  
Specifications & Purity:  $\beta$ -phase, 99.9% metals basis  
Lot #: H2212397  
SKU #: **S106134**  
Analysis: **118814**

| Parameter                              | Limit Values                      | Result                            |
|----------------------------------------|-----------------------------------|-----------------------------------|
| Purity(Based On Trace Metals Analysis) | 99.9-100 (%)                      | 99.97 %                           |
| Total Metallic Impurities              | 0-1000 (ppm)                      | 312.00 ppm                        |
| 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             |



John Su  
QA & QC Manager