

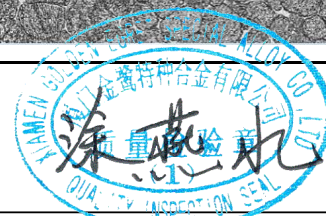


厦门金鹭特种合金有限公司  
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**CERTIFICATE OF MATERIAL ANALYSIS**

**Powder blank**

| Material Spec        |         | Gesac Grade | Lot No.           |            | Quantity(Pcs)            |                           |           |                   |            |
|----------------------|---------|-------------|-------------------|------------|--------------------------|---------------------------|-----------|-------------------|------------|
| -                    |         | GH231       | 2312303005        |            | 2                        |                           |           |                   |            |
| Chemical Composition |         |             |                   |            | Physical Characteristics |                           |           |                   |            |
| SN                   | Element | Spec.       | Inspection Result | Conclusion | SN                       | Item                      | Spec.     | Inspection Result | Conclusion |
| 1                    | W (%)   | 94.0-96.0   | 94.90             | Pass       | 1                        | HV30                      | 375±15    | 382.0             | Pass       |
| 2                    | Ni (%)  | 4.20±0.16   | 4.20              | Pass       | 2                        | D(g/cc)                   | 17.6      | 17.65             | Pass       |
| 3                    | Fe (%)  | 2.50±0.14   | 2.50              | Pass       | 3                        | Elongation(%)             | ≥15       | 17.0              | Pass       |
| 4                    | Co (%)  | 0.30±0.04   | 0.30              | Pass       | 4                        | Yield strength 0.2% (MPa) | 860 ± 50  | 905.0             | Pass       |
| 5                    | Mn (%)  | 0.04±0.005  | 0.04              | Pass       | 5                        | Tensile strength(MPa)     | 1080 ± 25 | 1103.0            | Pass       |

| Physical Characteristics |         |       |                   |            | Microstructure |
|--------------------------|---------|-------|-------------------|------------|----------------|
| SN                       | Element | Spec. | Inspection Result | Conclusion |                |
|                          |         |       |                   |            |                |
|                          |         |       |                   |            |                |
|                          |         |       |                   |            |                |
|                          |         |       |                   |            |                |
|                          |         |       |                   |            |                |
|                          |         |       |                   |            |                |



Signature: \_\_\_\_\_ 2023/5/5  
 QUALITY CONTROL DEPARTMENT OF GESAC