

Rolls-Royce Testing Matrix¹

| Rolls-Royce Test Code | Test Description | EBA Procedure | EBA Nadcap Test Code |
|---|---|---------------------------|----------------------|
| Material Test Spectrographic (Industry Standards) | Atomic Emission Spectroscopy-Spark/Ark (OES) | C223 | F3 |
| Material Test Chemical (Industry Standards) | Elemental Analysis Carbon | C205 | G1 |
| | Elemental Analysis-Sulfur | C205 | G5 |
| Salt Spray ASTM B117 | Corrosion-General | B201 | Q |
| Material Test Metallographic (Industry Standards) | Metallography-General | B213 | L0 |
| | Microhardness-Interior (Knoop/Vickers) | B208 | L1 |
| | Near Surface Examinations Microhardness (Surface – Knoop/Vickers) | B208 | L5 |
| | Nitriding | B220 | L6 |
| | IGA/IGO | B214 | L7 |
| | Carburization/Decarburization | B212 | L10 |
| | Grain Size | B218 | L11 |
| | Inclusions | B204 | L12 |
| | Metallography-Macro | B205 | XL |
| Material Test Physical (Industry Standards) | Room Temperature Tensile | A201 | A |
| | Impact Testing | A202 | N |
| | Bend Testing | A203 | XN |
| | Hardness – Brinell | A204 | M1 |
| | Hardness – Rockwell | A200 | M2 |
| | Hardness – Vickers (Macro) | B208 | M3 |
| Material Test Non-Metallics (Industry Standards) | A2LA Mechanical and Chemical Scopes | Various ASTM Test Methods | N/A |

Note:

1. Per SABRe Aerospace Supplier Management System Requirements dated 04/02/18 – **Does not require Rolls-Royce Approval.**
2. All Rolls-Royce specifications and requirements for the testing must be flowed down to the facility by their direct customer. Additionally, for materials controlled by RRMS30031, exceptions to approval requirements may be noted in MLC104.