

AEROSPACE MATERIAL SPECIFICATION

SAE AMS2281

REV. B

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Superseding AMS2281A

Trace Element Control
Nickel Alloy, Cobalt Alloy, and Iron Alloy Wrought Products
for High-Temperature, High-Stressed Applications

RATIONALE

AMS2281B stabilizes this document because a review of nickel, cobalt and iron alloy wrought product AMS has determined that AMS2281 is not invoked in any other AMS, and controls of trace elements are imposed by individual alloy AMS.

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1. SCOPE:

1.1 Purpose:

This specification establishes maximum permissible limits for elements not normally specified but which may occur in trace amounts in wrought nickel, cobalt, and iron alloy products.

1.2 Application:

Control provided by this specification has been used typically for highly-stressed rotating parts, such as turbine discs, where control of trace elements is required to maintain elevated-temperature tensile, stress-rupture, creep, and low-cycle fatigue properties, but usage is not limited to such applications.

- 1.2.1 It is intended that this specification be invoked only for selected applications by stipulation on drawings, purchase orders, or other documentation supplementing the material specification, or in material specifications.