AEROSPACE MATERIAL SPECIFICATION

AMS2283™	
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Composition Testing Methods for Nickel- and Cobalt-Based Alloys

RATIONALE

This is a new specification that summarizes the acceptable methods for determining the composition of nickel- and cobalt-based alloys.

1. SCOPE

1.1 Purpose

This specification establishes testing methods for testing chemical composition in nickel- and cobalt-based alloys.

1.2 Application

This specification when invoked, defines the methods for evaluating composition of nickel- and cobalt-based alloys but usage is not limited to such applications.

2. APPLICABLE DOCUMENTS

The issue of the following documents in effect on the date of the purchase order forms a part of this specification to the extent specified herein. The supplier may work to a subsequent revision of a document unless a specific document issue is specified. When the referenced document has been cancelled and no superseding document has been specified, the last published issue of that document shall apply.

2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), or www.sae.org.

AS7766 Terms Used in Aerospace Metals Specifications

2.2 ASTM Publications

Available from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, Tel: 610-832-9585, www.astm.org.

ASTM E354 Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys

ASTM E1019 Determination of Carbon, Sulfur, Nitrogen, and Oxygen in Steel, Iron, Nickel, and Cobalt Alloys by Various Combustion and Inert Gas Fusion Techniques

ASTM E1... Determination of Elements by Graphite Furnace Atomic Absorption Spectrometry

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For more information on this standard, visit
https://www.sae.org/standards/content/AMS2283/