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Second edition
2021-05

Aerospace — Anodic treatment of titanium and titanium alloys — Sulfuric acid process

*Aéronautique et espace — Traitement anodique du titane et de ses
alliages — Traitement à l'acide sulfurique*



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Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Technical requirements	1
4.1 Process details	1
4.2 Preparation for anodizing	2
4.3 Anodizing procedure	2
5 Quality assurance provisions	3
5.1 Responsibility for inspection	3
5.2 Visual examination	3
5.3 Approval	3
6 Packaging and delivery	3
6.1 Packaging	3
6.2 Delivery	3

Foreword

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This document was prepared by ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 18, *Materials*.

This second edition cancels and replaces the first edition (ISO 8080:1985), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the solution temperature has been changed from $(21 \pm 2) ^\circ\text{C}$ to $(20 \pm 5) ^\circ\text{C}$ (see [4.1.3](#));
- the use of alternative chemical products for the pickling solution has been allowed (see [4.1.7](#));
- higher duration for etching has been allowed (see [4.2.5](#));
- an alternative mechanical activation has been allowed (see [4.2.6](#));
- voltage cycle has been provided only as a recommendation (see [4.3.1](#)).

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