

EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

Institute for Reference Materials and Measurements



CERTIFIED REFERENCE MATERIAL BCR-089

CERTIFICATE OF ANALYSIS

	TITANIUM ALLOY TIA	AI6V4	
it i. Ngjapa	Mass Fraction		Number of
	Certified value ¹⁾ [g/kg]	Uncertainty 2) [g/kg]	accepted sets of data p
Al V	59.7 39.76	0.4 0.29	5 6

Unweighted mean value of the mean of p sets of data, each set being obtained in a different laboratory and/or with a different method. The certified values are traceable to the SI.

This certificate is valid for three years after purchase.

Sales date:

The minimum amount of sample to be used is 0.2 g.

NOTE

This material has been certified by BCR (Community Bureau of Reference, the former reference materials programme of the European Commission). The certificate has been revised under the responsibility of IRMM.

Brussels, June 1991 Latest revision: May 2007

Signed:

Prof. Dr. Hendrik Emons Unit for Reference Materials EC-JRC-IRMM Retieseweg 111 2440 Geel, Belgium

Half-width of the 95 % confidence interval of the certified mean.

DESCRIPTION OF THE SAMPLE

The sample is a cylinder with 40 mm diameter and 20 mm height.

ANALYTICAL METHOD USED FOR CERTIFICATION

- Complexometric titration
- Inductively coupled plasma optical emission spectrometry
- Potentiometric titration
- X ray fluorescence spectrometry

PARTICIPANTS

- Aciéres d'Imphy, Imphy (FR)
- Aérospatiale, Suresnes (FR)
- Bundesanstalt f
 ür Materialforschung und –pr
 üfung, Berlin (DE)
- CEC Joint Research Centre, Central Bureau for Nuclear Measurements, Geel (BE)
- Compagnie Européenne du Zirconium CEZUS, Usine de Venthon, Albertville (FR)
- Etablissement Technique Central de l'Armement, Centre de Recherches et d'Etudes d'Arcueil, Arcueil (FR)
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- Metallwerk Plansee GmbH, Reutte/Tirol (AT)
- Riso National Laboratory, Roskilde (DK)
- Wehrwissenschaftliches Institut für Materialuntersuchungen, Erding (DE)

SAFETY INFORMATION

The usual laboratory safety precautions apply.

INSTRUCTIONS FOR USE

The material is mainly intended for the calibration of XRF instruments.

STORAGE

Storage of the material might be done at 18 °C in a dried atmosphere.

However, the European Commission cannot be held responsible for changes that happen during storage of the material at the customer's premises, especially of opened samples.

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NOTE

A technical report on the production of BCR-089 is available on the internet (http://www.irmm.jrc.be). A paper copy can be obtained from IRMM on request.

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