

**QSA GLOBAL****QSA Global
GmbH**

Gieselweg 1
 38110 Braunschweig
 Postfach 11 37
 38001 Braunschweig
 Germany
 Tel. +49 5307 932-0
 Fax +49 5307 932-194

CERTIFICATE

No. 104988 – OR 256

for a Sealed Radioactive Source

13 November 2006

Source Type: Beta Wide Area Reference Source

Product code	TRR16061
Drawing	VZ-626/1
Dimensions of active surface	100 mm x 100 mm
Overall dimensions	120 mm x 120 mm x 3 mm
Source no.	OR 256
Nuclide	Tritium

Measurement Data

Activity	100 kBq (nominal)
Beta surface emission rate	$1.11E+03 \text{ s}^{-1}$ in 2π steradian
Uncertainty* of beta surface emission rate	6 %
Reference date	1 November 2006
Traceability*	Defined on page 2

Leakage and Contamination Test/s

Test method/s*	I
Test/s passed on	6 November 2006

Additional Information

ISO classification*	C.34645
Remark	---

* see page 2 for explanation

QSA Global GmbH



(Production Manager)

QSA Global GmbH
 Sitz Braunschweig,
 Registergericht Braunschweig,
 HRB 4647

Geschäftsführer:
 Dr. Rainer Lambrich
 Ralph Forster
 Dennis Powers

Commerzbank, Braunschweig
 BLZ 270 400 80
 Konto 5302591

QSA Holdings Limited
 St Peter Port, Guernsey, Channel Islands GY1 3 QL
 Register No.. 43737