

3.1 Weitergabe der Einheiten im gesetzlichen Messwesen

U_r Relative erweiterte Messunsicherheit, die sich aus der Standardmessunsicherheit durch Multiplikation mit dem Erweiterungsfaktor $k = 2$ ergibt. Sie wurde gemäß dem "Guide to the Expression of Uncertainty in Measurement" (ISO, 1995) ermittelt. Der Wert der Messgröße liegt im Regelfall mit einer Wahrscheinlichkeit von annähernd 95 % im zugeordneten Werteintervall.

Einträge in „The BIPM key comparison database (KCDB)“ (<http://www.bipm.org>)

Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U_r in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-1001	Absorbed dose rate to water	2,0E-04	2,0E-02	Gy s ⁻¹	X-rays 10 kV to 50 kV	DIN 6809/4 1988	2,8	AA-6200-001	6.2	10	Approved on 01 March 2005
EUR-RAD-PTB-1002	Absorbed dose rate to water	2,0E-04	2,0E-02	Gy s ⁻¹	X-rays 50 kV to 420 kV	50 kV to 100 kV DIN 6809/4 1988	2,8	AA-6200-001	6.2	10	Approved on 01 March 2005
EUR-RAD-PTB-1003	Absorbed dose rate to water	2,0E-04	2,0E-03	Gy s ⁻¹	X-rays 50 kV to 420 kV	100 kV to 300 kV DIN 6809/5 1996	3,5	AA-6200-001	6.2	10	Approved on 01 March 2005
EUR-RAD-PTB-1004	Absorbed dose rate to water	2,0E-03	2,0E-02	Gy s ⁻¹	Co-60	DIN 6800/2 1997	0,5	AA-6200-010	6.2	09	Approved on 19 September 2006
EUR-RAD-PTB-1005	Reference air kerma rate	1,0E-04	1,0E-01	Gy h ⁻¹	Ir-192	air kerma free in air without scattered radiation	2,4	AA-6200-022	6.2		Approved on 01 March 2005
EUR-RAD-PTB-1006	Air kerma rate	3,0E-10	5,0E-04	Gy s ⁻¹	X-rays, 10 kV to 50 kV	IEC 61267 RQR Series, 40 kV to 50 kV	0,77	AA-6200-003 AA-6200-004	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1007	Air kerma rate	3,0E-10	5,0E-04	Gy s ⁻¹	X-rays, 50 kV to 420 kV	IEC 61267 RQR Series, 60 kV to 150 kV	0,77	AA-6200-003 AA-6200-004	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1008	Air kerma rate	3,0E-10	3,0E-05	Gy s ⁻¹	X-rays, 10 kV to 50 kV	IEC 61267 RQA Series, 40 kV to 50 kV	0,77	AA-6200-003 AA-6200-004	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1009	Air kerma rate	3,0E-10	3,0E-05	Gy s ⁻¹	X-rays, 50 kV to 420 kV	IEC 61267 RQA Series, 60 kV to 150 kV	0,77	AA-6200-003 AA-6200-004	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1010	Air kerma rate	3,0E-10	5,0E-04	Gy s ⁻¹	X-rays, 10 kV to 50 kV	Mammography, IEC 61267	0,96	AA-6200-003	6.2	11	Approved on 01 March 2005

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 1 von 42
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<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-1011	Air kerma length product	1,0E-06	5,0E+01	Gy cm	X-rays, 50 kV to 420 kV	IEC 61267 RQR Series, 60 kV to 150 kV	1,5	AA-6200-003 AA-6200-004	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1012	Air kerma length product	1,0E-06	5,0E+00	Gy cm	X-rays, 50 kV to 420 kV	IEC 61267 RQA Series, 60 kV to 150 kV	1,5	AA-6200-003 AA-6200-004	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1013	Air kerma area product	1,0E-06	1,0E+02	Gy cm ²	X-rays, 50 kV to 420 kV	IEC 61267 RQR Series, 60 kV to 150 kV	1,5	AA-6200-003 AA-6200-004	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1014	Air kerma rate	1,0E-06	1,0E-01	Gy h ⁻¹	X-rays, 10 kV to 50 kV	ISO 4037 Narrow Series, 10 kV to 40 kV	0,77	AA-6200-003 AA-6200-004	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1015	Air kerma rate	1,0E-06	1,0E-01	Gy h ⁻¹	X-rays, 50 kV to 420 kV	ISO 4037 Narrow Series, 60 kV to 300 kV	0,77	AA-6200-003 AA-6200-004	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1016	Air kerma rate	1,0E-06	1,0E+00	Gy h ⁻¹	X-rays, 50 kV to 420 kV	ISO 4037 Wide Series, 60 kV to 300 kV	0,77	AA-6200-003 AA-6200-004	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1017	Air kerma rate	1,0E-06	5,0E+00	Gy h ⁻¹	X-rays, 10 kV to 50 kV	ISO 4037 High Air Kerma Series, 10 kV to 30 kV	0,77	AA-6200-003 AA-6200-004	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1018	Air kerma rate	1,0E-06	5,0E+00	Gy h ⁻¹	X-rays, 50 kV to 420 kV	ISO 4037 High Air Kerma Series, 60 kV to 300 kV	0,77	AA-6200-003 AA-6200-004	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1019	Air kerma rate	1,0E-06	5,0E+00	Gy h ⁻¹	Cs-137	ISO 4037	0,88	AA-6200-006	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1020	Air kerma rate	1,0E-06	5,0E+00	Gy h ⁻¹	Co-60	ISO 4037	0,63	AA-6200-006	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1021	Air kerma rate	1,0E-06	1,0E-02	Gy h ⁻¹	Photon, high energy	ISO 4037, 4 MeV - 7 MeV	5,9	AA-6300-114	6.3		Approved on 01 March 2005
EUR-RAD-PTB-1022	X-ray tube voltage	5,0E+01	1,5E+02	kV	X-rays, 10 kV to 50 kV	IEC 61267 RQR Series, 40 kV to 50 kV	1,5	AA-6200-005	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1023	X-ray tube voltage	5,0E+01	1,5E+02	kV	X-rays, 50 kV to 420 kV	IEC 61267 RQR Series, 60 kV to 150 kV	1,5	AA-6200-005	6.2	11	Approved on 01 March 2005

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 2 von 42
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		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-1024	X-ray tube voltage	2,0E+01	4,0E+01	kV	X-rays, 10 kV to 50 kV	Mammography, IEC 61267	2	AA-6200-005	6.2	11	Approved on 01 March 2005
EUR-RAD-PTB-1025	Ambient dose equivalent rate	1,0E-04	1,0E-01	Sv h ⁻¹	X-rays, 10 kV to 50 kV	ISO 4037 Narrow Series, 10 kV to 40 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1026	Ambient dose equivalent rate	1,0E-04	1,0E-01	Sv h ⁻¹	X-rays, 50 kV to 420 kV	ISO 4037 Narrow Series, 60 kV to 300 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1027	Ambient dose equivalent rate	1,0E-03	1,0E+00	Sv h ⁻¹	X-rays, 50 kV to 420 kV	ISO 4037 Wide Series, 60 kV to 300 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14	Approved on 01 March 2005
EUR-RAD-PTB-1028	Ambient dose equivalent rate	1,0E-02	5,0E+01	Sv h ⁻¹	X-rays, 10 kV to 50 kV	ISO 4037 High Air Kerma Series, 10 kV to 30 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1029	Ambient dose equivalent rate	1,0E-02	5,0E+01	Sv h ⁻¹	X-rays, 50 kV to 420 kV	ISO 4037 High Air Kerma Series, 60 kV to 300 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1030	Ambient dose equivalent rate	1,0E-06	5,0E+01	Sv h ⁻¹	Cs-137	ISO 4037	3	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1031	Ambient dose equivalent rate	1,0E-06	5,0E+01	Sv h ⁻¹	Co-60	ISO 4037	3	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1032	Ambient dose equivalent rate	1,0E-06	5,0E-03	Sv h ⁻¹	Photons, high energy	ISO 4037 4MeV - 7 MeV	6,5	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1033	Directional dose equivalent rate	1,0E-04	1,0E-01	Sv h ⁻¹	X-rays, 10 kV to 50 kV	ISO 4037 Narrow Series, 10 kV to 40 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1034	Directional dose equivalent rate	1,0E-04	1,0E-01	Sv h ⁻¹	X-rays, 50 kV to 420 kV	ISO 4037 Narrow Series, 60 kV to 300 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1035	Directional dose equivalent rate	1,0E-03	1,0E+00	Sv h ⁻¹	X-rays, 50 kV to 420 kV	ISO 4037 Wide Series, 60 kV to 300 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1036	Directional dose equivalent rate	1,0E-02	5,0E+01	Sv h ⁻¹	X-rays, 10 kV to 50 kV	ISO 4037 High Air Kerma Series, 10 kV to 30 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 3 von 42
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		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-1037	Directional dose equivalent rate	1,0E-02	5,0E+01	Sv h ⁻¹	X-rays, 50 kV to 420 kV	ISO 4037 High Air Kerma Series, 60 kV to 300 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1038	Directional dose equivalent rate	1,0E-06	5,0E+01	Sv h ⁻¹	Cs-137	ISO 4037	3	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1039	Directional dose equivalent rate	1,0E-06	5,0E+01	Sv h ⁻¹	Co-60	ISO 4037	3	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1040	Directional dose equivalent rate	1,0E-06	5,0E-02	Sv h ⁻¹	Beta radiation	ISO 6980, Pm-147, Tl-204, Kr-85, Sr-90/Y-90, Ru-106/Rh-106	3 - 5	AA-6300-193	6.3	14, 16	Approved on 01 March 2005
EUR-RAD-PTB-1041	Personal dose equivalent in 10 mm depth	1,0E-05	1,0E-02	Sv	X-rays, 10 kV to 50 kV	ISO 4037 Narrow Series, 10 kV to 40 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1042	Personal dose equivalent in 10 mm depth	1,0E-05	1,0E-02	Sv	X-rays, 50 kV to 420 kV	ISO 4037 Narrow Series, 60 kV to 300 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1043	Personal dose equivalent in 10 mm depth	1,0E-04	1,0E-01	Sv	X-rays, 50 kV to 420 kV	ISO 4037 Wide Series, 60 kV to 300 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14	Approved on 01 March 2005
EUR-RAD-PTB-1044	Personal dose equivalent in 10 mm depth	1,0E-03	5,0E+00	Sv	X-rays, 10 kV to 50 kV	ISO 4037 High Air Kerma Series, 10 kV to 30 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1045	Personal dose equivalent in 10 mm depth	1,0E-03	5,0E+00	Sv	X-rays, 50 kV to 420 kV	ISO 4037 High Air Kerma Series, 60 kV to 300 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1046	Personal dose equivalent in 10 mm depth	1,0E-06	1,0E+01	Sv	Cs-137	ISO 4037	3	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1047	Personal dose equivalent in 10 mm depth	1,0E-06	1,0E+01	Sv	Co-60	ISO 4037	3	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1048	Personal dose equivalent in 10 mm depth	1,0E-06	5,0E-02	Sv	Photon, high energy	ISO 4037 4 MeV - 7 MeV	6,5	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1049	Personal dose equivalent in 0,07 mm depth	1,0E-05	1,0E-01	Sv	X-rays, 10 kV to 50 kV	ISO 4037 Narrow Series, 10 kV to 40 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 4 von 42
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<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-1050	Personal dose equivalent in 0,07 mm depth	1,0E-05	1,0E-01	Sv	X-rays, 50 kV to 420 kV	ISO 4037 Narrow Series, 60 kV to 300 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1051	Personal dose equivalent in 0,07 mm depth	1,0E-04	1,0E+00	Sv	X-rays, 50 kV to 420 kV	ISO 4037 Wide Series, 60 kV to 300 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14	Approved on 01 March 2005
EUR-RAD-PTB-1052	Personal dose equivalent in 0,07 mm depth	1,0E-03	5,0E+01	Sv	X-rays, 10 kV to 50 kV	ISO 4037 High Air Kerma Series, 10 kV to 30 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1053	Personal dose equivalent in 0,07 mm depth	1,0E-03	5,0E+01	Sv	X-rays, 50 kV to 420 kV	ISO 4037 High Air Kerma Series, 60 kV to 300 kV	3 - 4	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1054	Personal dose equivalent in 0,07 mm depth	1,0E-06	5,0E+01	Sv	Cs-137	ISO 4037	3	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1055	Personal dose equivalent in 0,07 mm depth	1,0E-06	5,0E+01	Sv	Co-60	ISO 4037	3	AA-6300-197 AA-6300-198	6.3	14, 15, 16	Approved on 01 March 2005
EUR-RAD-PTB-1056	Personal dose equivalent in 0,07 mm depth	1,0E-06	5,0E-02	Sv	Beta radiation	ISO 6980, Pm-147, Tl-204, Kr-85, Sr-90/Y-90, Ru-106/Rh-106	3 - 5	AA-6300-193	6.3	14, 16	Approved on 01 March 2005
EUR-RAD-PTB-1057	Absorbed dose rate in soft tissue	5,0E-05	2,0E+00	Gy h ⁻¹	Beta radiation	ISO 6980, Pm-147, Tl-204, Kr-85, Sr-90/Y-90, Ru-106/Rh-106	3 - 5	AA-6300-193	6.3	14	Approved on 01 March 2005
EUR-RAD-PTB-1058	Absorbed dose rate in soft tissue	5,0E-05	2,0E+00	Gy h ⁻¹	Beta radiation	ISO 6980, Pm-147, Tl-204, Kr-85, Sr-90/Y-90	2	AA-6300-195	6.3	14	Approved on 01 March 2005
EUR-RAD-PTB-1059	Absorbed dose rate in soft tissue	5,0E-05	2,0E+00	Gy h ⁻¹	Beta radiation	ISO 6980, C-14, Pm-147, Tl-204, Kr-85, Sr-90/Y-90, Ru-106/Rh-106	3 - 5	AA-6300-194	6.3	14	Approved on 01 March 2005
EUR-RAD-PTB-2001	Activity divided by mass	1E+03	5E+04	Bq g ⁻¹	H-3	Tritiated water in glass ampoule	1,7	AA-6100-108	6.1	02, 03	Approved on 18 January 2010

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 5 von 42
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EUR-RAD-PTB-2002	Activity divided by mass	5E+04	5E+07	Bq g ⁻¹	H-3	Tritiated water in glass ampoule	1,4	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2003	Activity divided by mass	2E+05	2E+07	Bq g ⁻¹	Be-7	glass ampoule	2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2004	Activity divided by mass	1E+03	1E+07	Bq g ⁻¹	C-14	glass ampoule	3,0	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2005	Activity divided by mass	1E+04	5E+07	Bq g ⁻¹	F-18	glass ampoule	1,0	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2006	Activity divided by mass	1E+04	1E+07	Bq g ⁻¹	Na-22	glass ampoule	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2007	Activity divided by mass	1E+04	1E+07	Bq g ⁻¹	Na-24	glass ampoule	0,7	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2008	Activity divided by mass	2E+03	2E+08	Bq g ⁻¹	P-32	glass ampoule	1,0	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2009	Activity divided by mass	5E+02	2E+08	Bq g ⁻¹	P-33	glass ampoule	1,5	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2010	Activity divided by mass	2E+03	2E+08	Bq g ⁻¹	S-35	glass ampoule	1,5	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2011	Activity divided by mass	2E+03	2E+06	Bq g ⁻¹	Cl-36	glass ampoule	1,5	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2012	Activity divided by mass	2E+04	2E+05	Bq g ⁻¹	Cr-51	glass ampoule	0,7	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2013	Activity divided by mass	2E+05	2E+07	Bq g ⁻¹	Cr-51	glass ampoule	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2014	Activity divided by mass	1E+04	2E+07	Bq g ⁻¹	Mn-54	glass ampoule	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2015	Activity divided by mass	2E+03	2E+06	Bq g ⁻¹	Fe-55	glass ampoule	2,5	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2016	Activity divided by mass	2E+03	2E+07	Bq g ⁻¹	Co-56	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 6 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-2017	Activity divided by mass	2E+04	2E+05	Bq g ⁻¹	Co-57	glass ampoule	1,4	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2018	Activity divided by mass	2E+05	2E+07	Bq g ⁻¹	Co-57	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2019	Activity divided by mass	2E+04	2E+07	Bq g ⁻¹	Co-58	glass ampoule	1,0	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2020	Activity divided by mass	4E+03	2E+07	Bq g ⁻¹	Fe-59	glass ampoule	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2021	Activity divided by mass	4E+03	2E+07	Bq g ⁻¹	Co-60	glass ampoule	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2022	Activity divided by mass	1E+03	1E+06	Bq g ⁻¹	Ni-63	glass ampoule	1,7	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2023	Activity divided by mass	2E+04	2E+07	Bq g ⁻¹	Zn-65	glass ampoule	1,4	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2024	Activity divided by mass	5E+02	2E+07	Bq g ⁻¹	Cu-64	glass ampoule	2	AA-6100-107	6.1	02,03	Approved on 18 January 2010
EUR-RAD-PTB-2025	Activity divided by mass	2E+04	5E+07	Bq g ⁻¹	Ga-67	glass ampoule	2,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2026	Activity divided by mass	2E+04	5E+07	Bq g ⁻¹	Ge-68/Ga-68	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2027	Activity divided by mass	2E+04	5E+07	Bq g ⁻¹	Se-75	glass ampoule	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2028	Activity divided by mass	2E+04	2E+08	Bq g ⁻¹	Br-82	glass ampoule	2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2029	Activity divided by mass	2E+04	2E+07	Bq g ⁻¹	Sr-85	glass ampoule	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2030	Activity divided by mass	1E+04	2E+07	Bq g ⁻¹	Y-88	glass ampoule	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2031	Activity divided by mass	2E+03	2E+05	Bq g ⁻¹	Sr-89	glass ampoule	1,5	AA-6100-108	6.1	02, 03	Approved on 18 January 2010

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 7 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-2032	Activity divided by mass	2E+05	2E+07	Bq g ⁻¹	Sr-89	glass ampoule	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2033	Activity divided by mass	4E+02	4E+04	Bq g ⁻¹	Sr-90/Y-90	glass ampoule	1,2	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2034	Activity divided by mass	4E+04	4E+07	Bq g ⁻¹	Sr-90/Y-90	glass ampoule	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2035	Activity divided by mass	2E+03	2E+06	Bq g ⁻¹	Y-90	glass ampoule	1	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2036	Activity divided by mass	1E+03	2E+07	Bq g ⁻¹	Nb-93m	glass ampoule	1	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2037	Activity divided by mass	2E+03	2E+06	Bq g ⁻¹	Nb-94	glass ampoule	1,5	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2038	Activity divided by mass	2E+04	1E+08	Bq g ⁻¹	Mo-99	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2039	Activity divided by mass	2E+03	2E+06	Bq g ⁻¹	Tc-99	glass ampoule	2	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2040	Activity divided by mass	2E+04	1E+08	Bq g ⁻¹	Tc-99m	glass ampoule	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2041	Activity divided by mass	2E+04	5E+07	Bq g ⁻¹	Ru-103	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2042	Activity divided by mass	2E+04	5E+07	Bq g ⁻¹	Ru-106	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2043	Activity divided by mass	1E+03	5E+05	Bq g ⁻¹	Cd-109	glass ampoule	1,2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2044	Activity divided by mass	5E+05	1E+07	Bq g ⁻¹	Cd-109	glass ampoule	1,2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2045	Activity divided by mass	1E+04	2E+07	Bq g ⁻¹	Ag-110m	glass ampoule	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2046	Activity divided by mass	1E+04	5E+07	Bq g ⁻¹	In-111	glass ampoule	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 8 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-2047	Activity divided by mass	1E+04	5E+07	Bq g ⁻¹	Sn-113	glass ampoule	2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2048	Activity divided by mass	1E+04	5E+07	Bq g ⁻¹	I-123	glass ampoule	2,2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2049	Activity divided by mass	1E+04	5E+07	Bq g ⁻¹	Sb-124	glass ampoule	1,4	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2050	Activity divided by mass	1E+04	5E+07	Bq g ⁻¹	I-124	glass ampoule	2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2051	Activity divided by mass	1E+04	1E+05	Bq g ⁻¹	Sb-125	glass ampoule	1,7	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2052	Activity divided by mass	1E+05	5E+07	Bq g ⁻¹	Sb-125	glass ampoule	1,4	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2053	Activity divided by mass	1E+03	1E+05	Bq g ⁻¹	I-125	glass ampoule	1,7	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2054	Activity divided by mass	1E+05	2E+07	Bq g ⁻¹	I-125	glass ampoule	1,4	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2055	Activity divided by mass	1E+03	1E+05	Bq g ⁻¹	I-129	glass ampoule	3,0	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2056	Activity divided by mass	1E+03	1E+05	Bq g ⁻¹	I-131	glass ampoule	1	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2057	Activity divided by mass	1E+05	1E+08	Bq g ⁻¹	I-131	glass ampoule	0,7	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2058	Activity divided by mass	4E+02	4E+04	Bq g ⁻¹	Ba-133	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2059	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Ba-133	glass ampoule	0,7	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2060	Activity divided by mass	1E+03	1E+05	Bq g ⁻¹	Cs-134	glass ampoule	1	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2061	Activity divided by mass	1E+05	2E+07	Bq g ⁻¹	Cs-134	glass ampoule	0,7	AA-6100-107	6.1	02, 03	Approved on 18 January 2010

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 9 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-2062	Activity divided by mass	4E+02	4E+04	Bq g ⁻¹	Cs-137	glass ampoule	1,4	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2063	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Cs-137	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2064	Activity divided by mass	4E+02	2E+07	Bq g ⁻¹	Ce-139	glass ampoule	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2065	Activity divided by mass	1E+04	2E+07	Bq g ⁻¹	Ce-141	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2066	Activity divided by mass	4E+02	2E+07	Bq g ⁻¹	Ce-144/Pr-144	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2067	Activity divided by mass	4E+02	4E+05	Bq g ⁻¹	Pm-147	glass ampoule	1,5	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2068	Activity divided by mass	4E+03	4E+04	Bq g ⁻¹	Eu-152	glass ampoule	1,4	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2069	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Eu-152	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2070	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Sm-153	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2071	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Gd-153	glass ampoule	2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2072	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Er-169	glass ampoule	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2073	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Yb-169	glass ampoule	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2074	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Lu-177	glass ampoule	1,2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2075	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Ta-182	glass ampoule	2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2076	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Re-186	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 10 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-2077	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Re-188	glass ampoule	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2078	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Ir-192	glass ampoule	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2079	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Au-198	glass ampoule	0,7	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2080	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Tl-201	glass ampoule	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2081	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Hg-203	glass ampoule	1,0	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2082	Activity divided by mass	1E+03	5E+05	Bq g ⁻¹	Tl-204	glass ampoule	1,4	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2083	Activity divided by mass	5E+05	2E+07	Bq g ⁻¹	Tl-204	glass ampoule	1,0	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2084	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Bi-207	glass ampoule	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2085	Activity divided by mass	1E+03	1E+05	Bq g ⁻¹	Pb-210	glass ampoule	2	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2086	Activity divided by mass	1E+05	2E+07	Bq g ⁻¹	Pb-210	glass ampoule	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2087	Activity divided by mass	1E+03	4E+04	Bq g ⁻¹	Th-232	glass ampoule	2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2088	Activity divided by mass	1E+03	4E+04	Bq g ⁻¹	U-233	glass ampoule	2	AA-6100-105	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2089	Activity divided by mass	1E+02	5E+03	Bq g ⁻¹	Ra-226	glass ampoule	1,4	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2090	Activity divided by mass	1E+04	1E+06	Bq g ⁻¹	Np-237	glass ampoule	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2091	Activity divided by mass	1E+03	4E+04	Bq g ⁻¹	Pu-238	glass ampoule	1,0	AA-6100-105	6.1	02, 03	Approved on 18 January 2010

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 11 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-2092	Activity divided by mass	2E+03	2E+06	Bq g ⁻¹	Pu-241	glass ampoule	2	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2093	Activity divided by mass	1E+03	4E+04	Bq g ⁻¹	Am-241	glass ampoule	0,7	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2094	Activity divided by mass	4E+04	2E+07	Bq g ⁻¹	Am-241	glass ampoule	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2095	Activity	1E+06	1E+08	Bq	Kr-85	glass ampoule	3	AA-6100-107	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2096	Activity	1E+08	5E+08	Bq	Kr-85	glass ampoule	2	AA-6100-107	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2097	Activity	1E+07	5E+08	Bq	Xe-133	glass ampoule	2,5	AA-6100-107	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2098	Activity	1E+05	2E+06	Bq	Rn-222	stainless steel cylinder	2	AA-6100-105	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2099	Activity	4E+03	4E+05	Bq	Be-7	active area < 5 mm	2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2100	Activity	4E+03	4E+05	Bq	Na-22	active area < 5 mm	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2101	Activity	4E+03	4E+05	Bq	Na-24	active area < 5 mm	0,7	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2102	Activity	4E+03	4E+05	Bq	Cr-51	active area < 5 mm	0,7	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2103	Activity	4E+03	4E+05	Bq	Mn-54	active area < 5 mm	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2104	Emission Rate per Unit Solid Angle	4E+03	4E+05	s ⁻¹ sr ⁻¹	Fe-55	active area < 5 mm	2,5	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2105	Activity	4E+03	4E+05	Bq	Co-56	active area < 5 mm	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2106	Activity	4E+03	4E+05	Bq	Co-57	active area < 5 mm	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 12 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-2107	Activity	4E+03	4E+05	Bq	Co-58	active area < 5 mm	1,2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2108	Activity	4E+03	4E+05	Bq	Fe-59	active area < 5 mm	0,7	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2109	Activity	4E+03	4E+05	Bq	Co-60	active area < 5 mm	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2110	Activity	4E+03	4E+05	Bq	Zn-65	active area < 5 mm	1,4	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2111	Activity	4E+03	4E+05	Bq	Ga-67	active area < 5 mm	2,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2112	Activity	4E+03	4E+05	Bq	Ge-68/Ga-68	active area < 5 mm	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2113	Activity	4E+03	4E+05	Bq	Se-75	active area < 5 mm	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2114	Activity	4E+03	4E+05	Bq	Sr-85	active area < 5 mm	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2115	Activity	4E+03	4E+05	Bq	Y-88	active area < 5 mm	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2116	Activity	2E+03	2E+04	Bq	Nb-93m	active area < 5 mm	1,2	AA-6100-108	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2117	Activity	4E+03	4E+05	Bq	Ru-103	active area < 5 mm	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2118	Activity	4E+03	4E+05	Bq	Ru-106	active area < 5 mm	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2119	Activity	4E+03	4E+05	Bq	Cd-109	active area < 5 mm	1,2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2120	Activity	4E+03	4E+05	Bq	Ag-110m	active area < 5 mm	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2121	Activity	4E+03	4E+05	Bq	Sn-113	active area < 5 mm	2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 13 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-2122	Activity	4E+03	4E+05	Bq	Sb-124	active area < 5 mm	1,4	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2123	Activity	4E+03	4E+05	Bq	Sb-125	active area < 5 mm	1,7	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2124	Activity	4E+03	4E+05	Bq	Ba-133	active area < 5 mm	1,0	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2125	Activity	4E+03	4E+05	Bq	Cs-134	active area < 5 mm	0,7	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2126	Activity	4E+03	4E+05	Bq	Cs-137	active area < 5 mm	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2127	Activity	4E+03	4E+05	Bq	Ce-139	active area < 5 mm	0,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2128	Activity	4E+03	4E+05	Bq	Ce-141	active area < 5 mm	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2129	Activity	4E+03	4E+05	Bq	Ce-1447Pr-144	active area < 5 mm	1,0	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2130	Activity	4E+03	4E+05	Bq	Eu-152	active area < 5 mm	1,2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2131	Activity	4E+03	4E+05	Bq	Au-198	active area < 5 mm	0,7	AA-6100-106	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2132	Activity	4E+03	4E+05	Bq	Hg-203	active area < 5 mm	1,0	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2133	Activity	4E+03	4E+05	Bq	Tl-204	active area < 5 mm	1,0	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2134	Activity	4E+03	4E+05	Bq	Bi-207	active area < 5 mm	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2135	Activity	4E+03	4E+05	Bq	Pb-210	active area < 5 mm	1,5	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2136	Activity	1E+02	1E+04	Bq	Ra-226	active area < 5 mm	2	AA-6100-107	6.1	02, 03	Approved on 18 January 2010

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 14 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-2137	Activity	5E+02	1E+03	Bq	Am-241	active area < 5 mm	1	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2138	Activity	1E+03	4E+05	Bq	Am-241	active area < 5 mm	0,7	AA-6100-107	6.1	02, 03	Approved on 18 January 2010
EUR-RAD-PTB-2139	Activity	1E+01	1E+04	Bq	Po-210	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2140	Activity	1E+01	1E+04	Bq	Th-228	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2141	Activity	1E+01	1E+04	Bq	Th-230	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2142	Activity	1E+01	1E+04	Bq	Th-232	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2143	Activity	1E+01	1E+04	Bq	U-233	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2144	Activity	1E+01	1E+04	Bq	U-234	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2145	Activity	1E+01	1E+04	Bq	U-235	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2146	Activity	1E+01	1E+04	Bq	Np-237	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2147	Activity	1E+01	1E+04	Bq	Pu-238	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2148	Activity	1E+01	1E+04	Bq	Pu-239	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2149	Activity	1E+01	1E+04	Bq	Pu-240	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2150	Activity	1E+01	1E+04	Bq	Am-241	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2151	Activity	1E+01	1E+04	Bq	Cm-242	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 15 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-2152	Activity	1E+01	1E+04	Bq	Am-243	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2153	Activity	1E+01	1E+04	Bq	Cm-243	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2154	Activity	1E+01	1E+04	Bq	Cm-244	no further specifications	1,5	AA-6100-105	6.1	02	Approved on 18 January 2010
EUR-RAD-PTB-2155	Surface emission rate of alpha particles	2,5E+02	5E+02	s ⁻¹	Am-241	no further specifications	1,5	AA-6100-106	6.1		Approved on 18 January 2010
EUR-RAD-PTB-2156	Surface emission rate of alpha particles	5E+02	1E+04	s ⁻¹	Am-241	no further specifications	1	AA-6100-106	6.1		Approved on 18 January 2010
EUR-RAD-PTB-2157	Activity divided by volume	1E+03	1E+05	Bq m ⁻³	Rn-222	Rn-222 in air	2,5	AA-6100-301 AA-6100-302	6.1	08	Approved on 18 January 2010
EUR-RAD-PTB-2158	Activity divided by volume	1E+02	1E+05	Bq m ⁻³	Rn-222 progeny	Rn-222 progeny in air, Equilibrium Factor 0,1 to 1,0 Unattached Fraction 0,01 to 0,9	5,0	AA-6100-302 AA-6100-304	6.1	08	Approved on 18 January 2010
EUR-RAD-PTB-3001	fluence rate	5,0E-02	5E+00	cm ⁻² s ⁻¹	Mono-energetic reaction (at 1m from the source)	24 keV Sc-45 (p,n) ISO 8529-1	11	AA-6400-001	6.4	20	Approved on 09 May 2005
EUR-RAD-PTB-3002	fluence rate	5,0E-01	5,0E+01	cm ⁻² s ⁻¹	Mono-energetic reaction (at 1m from the source)	24 keV Li-7 (p,n)	5	AA-6400-001	6.4	20	Approved on 09 May 2005
EUR-RAD-PTB-3003	fluence rate	8E+00	8,0E+02	cm ⁻² s ⁻¹	Mono-energetic reaction (at 1m from the source)	144 keV Li-7 (p,n) ISO 8529-1	4,2	AA-6400-001	6.4	20	Approved on 09 May 2005
EUR-RAD-PTB-3004	fluence rate	5E+00	5,0E+02	cm ⁻² s ⁻¹	Mono-energetic reaction (at 1m from the source)	250 keV Li-7 (p,n) ISO 8529-1	3,9	AA-6400-001	6.4	20	Approved on 09 May 2005
EUR-RAD-PTB-3005	fluence rate	2,0E+01	2,0E+03	cm ⁻² s ⁻¹	Mono-energetic reaction (at 1m from the source)	565 keV Li-7 (p,n) ISO 8529-1	3,8	AA-6400-001	6.4	20	Approved on 09 May 2005

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 16 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U _i in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
EUR-RAD-PTB-3006	fluence rate	3,0E+01	3.0E+03	cm ² s ⁻¹	Mono-energetic reaction (at 1m from the source)	1.2 MeV H-3 (p,n) ISO 8529-1	4,0	AA-6400-001	6.4	20	Approved on 09 May 2005
EUR-RAD-PTB-3007	fluence rate	7,0E+01	7,0E+03	cm ² s ⁻¹	Mono-energetic reaction (at 1m from the source)	2.5 MeV H-3 (p,n) ISO 8529-1	3,1	AA-6400-002	6.4	20	Approved on 09 May 2005
EUR-RAD-PTB-3008	fluence rate	8,0E+01	8,0E+03	cm ² s ⁻¹	Mono-energetic reaction (at 1m from the source)	5.0 MeV H-2 (d,n) ISO 8529-1	3,4	AA-6400-002	6.4	20	Approved on 09 May 2005
EUR-RAD-PTB-3009	fluence rate	1,2E+02	1,2E+04	cm ² s ⁻¹	Mono-energetic reaction (at 1m from the source)	8.0 MeV H-2 (d,n)	3,5	AA-6400-002	6.4	20	Approved on 09 May 2005
EUR-RAD-PTB-3010	fluence rate	8,0E+01	8,0E+03	cm ² s ⁻¹	Mono-energetic reaction (at 1m from the source)	14.8 MeV H-3 (d,n) ISO 8529-1	5,0	AA-6400-002	6.4	20	Approved on 09 May 2005
EUR-RAD-PTB-3011	fluence rate	1,2E+01	1,2E+03	cm ² s ⁻¹	Mono-energetic reaction (at 1m from the source)	19.0 MeV H-3 (d,n) ISO 8529-1	5,1	AA-6400-002	6.4	20	Approved on 09 May 2005
EUR-RAD-PTB-3018	fluence rate	1,5E+01	2,2E+03	cm ² s ⁻¹	Neutron spectrum (at 1m from the source)	bare Cf-252 ISO 8529-1	3 – 1,3	AA-6500-001	6.5	23	Approved on 09 May 2005
EUR-RAD-PTB-3019	fluence rate	1,8E+03	1,8E+03	cm ² s ⁻¹	Neutron spectrum (at 1m from the source)	D ₂ O-mod.Cf-252 ISO 8529-1 PTB-N-34 (1998)	4,4	AA-6500-001	6.5	23	Approved on 09 May 2005
EUR-RAD-PTB-3020	fluence rate	2,5E+01	2,5E+01	cm ² s ⁻¹	Neutron spectrum (at 1m from the source)	Am-241 / Be-9 ISO 8529-1	4,6	AA-6500-001	6.5	23	Approved on 09 May 2005
EUR-RAD-PTB-3021	ambient dose equivalent rate	2,0E-05	3,0E-03	Sv h ⁻¹	Neutron spectrum (at 1m from the source)	bare Cf-252 ISO 8529-3	3,6 – 2,4	AA-6500-001	6.5	23	Approved on 09 May 2005
EUR-RAD-PTB-3022	ambient dose equivalent rate	7,2E-04	7,2E-04	Sv h ⁻¹	Neutron spectrum (at 1m from the source)	D ₂ O-mod.Cf-252 ISO 8529-3 PTB-N-34 (1998)	7,4	AA-6500-001	6.5	23	Approved on 09 May 2005
EUR-RAD-PTB-3023	ambient dose equivalent rate	3,4E-05	3,4E-05	Sv h ⁻¹	Neutron spectrum (at 1m from the source)	Am-241 / Be-9 ISO 8529-3	5	AA-6500-002	6.5	23	Approved on 09 May 2005
EUR-RAD-PTB-3024	personal dose equivalent rate	2,0E-05	3,0E-03	Sv h ⁻¹	Neutron spectrum (at 1m from the source and for an angle of incidence of 0 deg)	bare Cf-252 ISO 8529-3	3,6 – 2,4	AA-6500-002	6.5	23, 24	Approved on 09 May 2005

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 17 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>	<i>Min</i>	<i>Max</i>	<i>Unit</i>	<i>Parameter</i>	<i>Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
EUR-RAD-PTB-3025	personal dose equivalent rate	7,2E-04	7,2E-04	Sv h ⁻¹	Neutron spectrum (at 1m from the source and for an angle of incidence of 0 deg)	D ₂ O-mod.Cf-252 ISO 8529-3 PTB-N-34 (1998)	7,4	AA-6500-002	6.5	23, 24	Approved on 09 May 2005
EUR-RAD-PTB-3026	personal dose equivalent rate	3,4E-05	3,4E-05	Sv h ⁻¹	Neutron spectrum (at 1m from the source and for an angle of incidence of 0 deg)	Am-241 / Be-9 ISO 8529-3	5	AA-6500-002	6.5	23, 24	Approved on 09 May 2005

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 18 von 42
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Geplante Einträge in „The BIPM key comparison database (KCDB)“

Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U_i in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
<i>Service identification</i>	<i>Quantity</i>	<i>Min Min</i>	<i>Max Max</i>	<i>Einheit Unit</i>	<i>Parameter Parameter</i>	<i>Spezifikation Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
1101	Air kerma rate	1E-08	3E-06	Sv/h	Cs-137		3	AA-6300-230	6.3	19	
1102	Air kerma rate	1E-08	3E-06	Sv/h	Co-60		3	AA-6300-230	6.3	19	
1103	Air kerma rate	1E-08	3E-06	Sv/h	Co-57		3	AA-6300-230	6.3	19	
1104	Air kerma rate	1E-08	3E-06	Sv/h	Am-241		4	AA-6300-230	6.3	19	
1105	Air kerma rate	1E-08	3E-06	Sv/h	Ra-226		3	AA-6300-230	6.3	19	
1107	Ambient dose equivalent rate	1E-08	3E-06	Sv/h	Cs-137		3	AA-6300-230	6.3	19	
1108	Ambient dose equivalent rate	1E-08	3E-06	Sv/h	Co-60		3	AA-6300-230	6.3	19	
1109	Ambient dose equivalent rate	1E-08	3E-06	Sv/h	Co-57		3	AA-6300-230	6.3	19	
1110	Ambient dose equivalent rate	1E-08	3E-06	Sv/h	Am-241		4	AA-6300-230	6.3	19	
1111	Ambient dose equivalent rate	1E-08	3E-06	Sv/h	Ra-226		3	AA-6300-230	6.3	19	
1112	Ambient dose equivalent rate	1E-08	1E-06	Sv/h	Reference site at PTB	Natural Environmental Radiation		AA-6300-310	6.3	17, 18	
1113	Ambient dose equivalent rate	1E-08	1E-06	Sv/h	Reference site on a lake near PTB	Secondary Cosmic Radiation at Ground Level		AA-6300-320	6.3	17, 18	
1114	Ambient dose equivalent rate	1E-07	1E-04	Sv/h	Reference instrument	Secondary Cosmic Radiation at Aviation Altitudes		AA-6400-004	6.4	21	
2159	Activity divided by volume	1E+03	1E+04	Bq m ⁻³	Rn-220		2,5	AA-6100-302	6.1	08	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 19 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		<i>U_i</i> in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
<i>Service identification</i>	<i>Quantity</i>	<i>Min Min</i>	<i>Max Max</i>	<i>Einheit Unit</i>	<i>Parameter Parameter</i>	<i>Spezifikation Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
2160	Activity divided by volume	1E+02	1E+04	Bq m ⁻³	Rn-220 progeny	Equilibrium equivalent activity concentration; activity concentration of Pb-212, Bi-212	2,0	AA-6100-302 AA-6100-304	6.1	08	
2161	Activity hour per unit volume	2E+03	7E+07	Bq h m ⁻³	Rn-222		2,5	AA-6100-303	6.1	08	
2162	Activity hour per unit volume	2E+03	2E+06	Bq h m ⁻³	Rn-220		2,5	AA-6100-303	6.1	08	
2200	Activity	1E-03	5E-02	Bq	Pu-238	Environmental samples	15,0	AA-6100-210	6.1	05, 06, 07	
2200	Activity	5E-02	1E+03	Bq	Pu-238	Environmental samples	5,0	AA-6100-210	6.1	05, 06, 07	
2200	Activity	1E-03	5E-02	Bq	Pu-239 + Pu-240	Environmental samples	15,0	AA-6100-210	6.1	05, 06, 07	
2200	Activity	5E-02	1E+03	Bq	Pu-239 + Pu-240	Environmental samples	5,0	AA-6100-210	6.1	05, 06, 07	
2200	Activity	1E-03	5E-02	Bq	U-234	Environmental samples	15,0		6.1	05, 06, 07	
2200	Activity	5E-02	1E+03	Bq	U-234	Environmental samples	5,0		6.1	05, 06, 07	
2200	Activity	1E-03	5E-02	Bq	U-235	Environmental samples	15,0		6.1	05, 06, 07	
2200	Activity	5E-02	1E+03	Bq	U-235	Environmental samples	5,0		6.1	05, 06, 07	
2200	Activity	1E-03	5E-02	Bq	U-238	Environmental samples	15,0		6.1	05, 06, 07	
2200	Activity	5E-02	1E+03	Bq	U-238	Environmental samples	5,0		6.1	05, 06, 07	
2200	Activity	1E-03	5E-02	Bq	Th-228	Environmental samples	15,0		6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 20 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U_i in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
<i>Service identification</i>	<i>Quantity</i>	<i>Min Min</i>	<i>Max Max</i>	<i>Einheit Unit</i>	<i>Parameter Parameter</i>	<i>Spezifikation Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
2200	Activity	5E-02	1E+03	Bq	Th-228	Environmental samples	5,0		6.1	05, 06, 07	
2200	Activity	1E-03	5E-02	Bq	Th-230	Environmental samples	15,0		6.1	05, 06, 07	
2200	Activity	5E-02	1E+03	Bq	Th-230	Environmental samples	5,0		6.1	05, 06, 07	
2200	Activity	1E-03	5E-02	Bq	Th-232	Environmental samples	15,0		6.1	05, 06, 07	
2200	Activity	5E-02	1E+03	Bq	Th-232	Environmental samples	5,0 15,0		6.1	05, 06, 07	
2200	Activity	1E-01	1E+03	Bq	Sr-89	Environmental samples	20	AA-6100-209	6.1	05, 06, 07	
2200	Activity	1E-02	1E+03	Bq	Sr-90/Y-90	Environmental samples	10	AA-6100-209	6.1	05, 06, 07	
2201	Activity divided by mass	5E-04	5E-02	Bq g ⁻¹	Be-7	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Be-7	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Na-22	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Na-22	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Al-26	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Al-26	Environmental samples	5,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-04	5E-02	Bq g ⁻¹	K-40	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	K-40	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 21 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U_i in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
<i>Service identification</i>	<i>Quantity</i>	<i>Min Min</i>	<i>Max Max</i>	<i>Einheit Unit</i>	<i>Parameter Parameter</i>	<i>Spezifikation Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
2201	Activity divided by mass	5E-04	5E-02	Bq g ⁻¹	Cr-51	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Cr-51	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Mn-54	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Mn-54	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Co-56	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Co-56	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Co-57	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Co-57	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Co-58	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Co-58	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Fe-59	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Fe-59	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Co-60	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Co-60	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Zn-65	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 22 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U_i in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
<i>Service identification</i>	<i>Quantity</i>	<i>Min Min</i>	<i>Max Max</i>	<i>Einheit Unit</i>	<i>Parameter Parameter</i>	<i>Spezifikation Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Zn-65	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Se-75	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Se-75	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-04	5E-02	Bq g ⁻¹	Sr-85	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Sr-85	Environmental samples	5,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Y-88	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Y-88	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Zr-95/Nb-95m	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Zr-95/Nb-95m	Environmental samples	5,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Mo-99/Tc-99m	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Mo-99/Tc-99m	Environmental samples	5,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Ru-103	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Ru-103	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-04	5E-02	Bq g ⁻¹	Ru-106	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Ru-106	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 23 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U_i in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
<i>Service identification</i>	<i>Quantity</i>	<i>Min Min</i>	<i>Max Max</i>	<i>Einheit Unit</i>	<i>Parameter Parameter</i>	<i>Spezifikation Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Ag-108m	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Ag-108m	Environmental samples	5,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-04	5E-02	Bq g ⁻¹	Cd-109	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Cd-109	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Ag-110m	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Ag-110m	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Sn-113	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Sn-113	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Sb-124	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Sb-124	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Sb-125	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Sb-125	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	I-131	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	I-131	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Ba-133	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 24 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U_i in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
<i>Service identification</i>	<i>Quantity</i>	<i>Min Min</i>	<i>Max Max</i>	<i>Einheit Unit</i>	<i>Parameter Parameter</i>	<i>Spezifikation Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Ba-133	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Cs-134	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Cs-134	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Cs-137	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Cs-137	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Ce-139	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Ce-139	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-04	5E-02	Bq g ⁻¹	Ba-140	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Ba-140	Environmental samples	5,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	La-140	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	La-140	Environmental samples	5,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Ce-141	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Ce-141	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-04	5E-02	Bq g ⁻¹	Ce-144	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Ce-144	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 25 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Eu-152	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Eu-152	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Eu-154	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Eu-154	Environmental samples	5,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Lu-176	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Lu-176	Environmental samples	5,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Au-198	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Au-198	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Hg-203	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Hg-203	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-03	5E-02	Bq g ⁻¹	Pb-210/Bi-210	Environmental samples	10,0	AA-6100-201 AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Pb-210/Bi-210	Environmental samples	5,0	AA-6100-202 AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-04	5E-02	Bq g ⁻¹	Ra-226 and gamma-ray emitting progenies in equilibrium	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Ra-226 and gamma-ray emitting progenies in equilibrium	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 26 von 42
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Bezeichnung <i>Service identification</i>	Messgröße <i>Quantity</i>	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		<i>U_i</i> in %	Arbeitsanweisung <i>Work instruction</i>	Zuständig <i>Responsible</i>	Aufgabe <i>Task</i>	Bemerkung <i>Remark</i>
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
2201	Activity divided by mass	5E-04	5E-02	Bq g ⁻¹	Ac-227 and gamma-ray emitting progenies in equilibrium	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Ac-227 and gamma-ray emitting progenies in equilibrium	Environmental samples	5,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Ra-228/Ac-228	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Ra-228/Ac-228	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Th-228 and gamma-ray emitting progenies in equilibrium	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Th-228 and gamma-ray emitting progenies in equilibrium	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	U-235	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	U-238 in equilibrium with Th234 and Pa-134m	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-04	5E-02	Bq g ⁻¹	Am-241	Environmental samples	10,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Am-241	Environmental samples	3,0	AA-6100-204	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Pu-238	Environmental samples	15,0	AA-6100-210	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Pu-238	Environmental samples	5,0	AA-6100-210	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 27 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U_i in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
<i>Service identification</i>	<i>Quantity</i>	<i>Min Min</i>	<i>Max Max</i>	<i>Einheit Unit</i>	<i>Parameter Parameter</i>	<i>Spezifikation Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Pu-239 + Pu-240	Environmental samples	15,0	AA-6100-210	6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Pu-239 + Pu-240	Environmental samples	5,0	AA-6100-210	6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	U-234	Environmental samples	15,0		6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	U-234	Environmental samples	5,0		6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	U-235	Environmental samples	15,0		6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	U-235	Environmental samples	5,0		6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	U-238	Environmental samples	15,0		6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	U-238	Environmental samples	5,0		6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Th-228	Environmental samples	15,0		6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Th-228	Environmental samples	5,0		6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Th-230	Environmental samples	15,0		6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Th-230	Environmental samples	5,0		6.1	05, 06, 07	
2201	Activity divided by mass	1E-04	5E-02	Bq g ⁻¹	Th-232	Environmental samples	15,0		6.1	05, 06, 07	
2201	Activity divided by mass	5E-02	1E+03	Bq g ⁻¹	Th-232	Environmental samples	5,0		6.1	05, 06, 07	
2201	Activity divided by mass	1E-03	1E+03	Bq g ⁻¹	Sr-89	Environmental samples	20	AA-6100-209	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 28 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U_i in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
<i>Service identification</i>	<i>Quantity</i>	<i>Min</i> <i>Min</i>	<i>Max</i> <i>Max</i>	<i>Einheit</i> <i>Unit</i>	<i>Parameter</i> <i>Parameter</i>	<i>Spezifikation</i> <i>Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
2201	Activity divided by mass	1E-04	1E+03	Bq g ⁻¹	Sr-90/Y-90	Environmental samples	10	AA-6100-209	6.1	05, 06, 07	
2202	Activity divided by volume	5E-04	5E-02	Bq ml ⁻¹	Be-7	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Be-7	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Na-22	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Na-22	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Al-26	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Al-26	liquid samples	5,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-04	5E-02	Bq ml ⁻¹	K-40	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	K-40	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-04	5E-02	Bq ml ⁻¹	Cr-51	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Cr-51	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Mn-54	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Mn-54	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Co-56	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Co-56	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 29 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U_i in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
<i>Service identification</i>	<i>Quantity</i>	<i>Min Min</i>	<i>Max Max</i>	<i>Einheit Unit</i>	<i>Parameter Parameter</i>	<i>Spezifikation Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Co-57	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Co-57	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Co-58	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Co-58	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Fe-59	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Fe-59	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Co-60	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Co-60	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Zn-65	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Zn-65	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Se-75	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Se-75	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-04	5E-02	Bq ml ⁻¹	Sr-85	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Sr-85	liquid samples	5,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Y-88	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 30 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U_i in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
<i>Service identification</i>	<i>Quantity</i>	<i>Min Min</i>	<i>Max Max</i>	<i>Einheit Unit</i>	<i>Parameter Parameter</i>	<i>Spezifikation Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Y-88	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Zr-95/Nb-95m	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Zr-95/Nb-95m	liquid samples	5,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Mo-99/Tc-99m	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Mo-99/Tc-99m	liquid samples	5,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Ru-103	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Ru-103	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-04	5E-02	Bq ml ⁻¹	Ru-106	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Ru-106	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Ag-108m	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Ag-108m	liquid samples	5,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-04	5E-02	Bq ml ⁻¹	Cd-109	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Cd-109	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Ag-110m	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Ag-110m	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 31 von 42
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Bezeichnung <i>Service identification</i>	Messgröße <i>Quantity</i>	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		<i>U_i</i> in %	Arbeitsanweisung <i>Work instruction</i>	Zuständig <i>Responsible</i>	Aufgabe <i>Task</i>	Bemerkung <i>Remark</i>
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Sn-113	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Sn-113	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Sb-124	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Sb-124	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Sb-125	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Sb-125	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	I-131	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	I-131	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Ba-133	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Ba-133	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Cs-134	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Cs-134	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Cs-137	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Cs-137	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Ce-139	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 32 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U_i in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
<i>Service identification</i>	<i>Quantity</i>	<i>Min Min</i>	<i>Max Max</i>	<i>Einheit Unit</i>	<i>Parameter Parameter</i>	<i>Spezifikation Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Ce-139	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-04	5E-02	Bq ml ⁻¹	Ba-140	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Ba-140	liquid samples	5,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	La-140	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	La-140	liquid samples	5,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Ce-141	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Ce-141	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-04	5E-02	Bq ml ⁻¹	Ce-144	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Ce-144	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Eu-152	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Eu-152	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Eu-154	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Eu-154	liquid samples	5,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Lu-176	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Lu-176	liquid samples	5,0	AA-6100-204	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 33 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Au-198	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Au-198	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Hg-203	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Hg-203	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-03	5E-02	Bq ml ⁻¹	Pb-210	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Pb-210	liquid samples	5,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-04	5E-02	Bq ml ⁻¹	Ra-226 and gamma-ray emitting progenies in equilibrium	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Ra-226 and gamma-ray emitting progenies in equilibrium	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-04	5E-02	Bq ml ⁻¹	Ac-227 and gamma-ray emitting progenies in equilibrium	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Ac-227 and gamma-ray emitting progenies in equilibrium	liquid samples	5,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Ra-228/Ac-228	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Ra-228/Ac-228	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 34 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Th-228 and gamma-ray emitting progenies in equilibrium	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Th-228 and gamma-ray emitting progenies in equilibrium	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	U-235	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	U-238 in equilibrium with Th234 and Pa-134m	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-04	5E-02	Bq ml ⁻¹	Am-241	liquid samples	10,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Am-241	liquid samples	3,0	AA-6100-204	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Pu-238	liquid samples	15,0	AA-6100-210	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Pu-238	liquid samples	5,0	AA-6100-210	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Pu-239 + Pu-240	liquid samples	15,0	AA-6100-210	6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Pu-239 + Pu-240	liquid samples	5,0	AA-6100-210	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	U-234	liquid samples	15,0		6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	U-234	liquid samples	5,0		6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	U-235	liquid samples	15,0		6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 35 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	U-235	liquid samples	5,0		6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	U-238	liquid samples	15,0		6.1	05, 06, 07	
2202	Activity divided volume	5E-02	1E+03	Bq ml ⁻¹	U-238	liquid samples	5,0		6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Th-228	liquid samples	15,0		6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Th-228	liquid samples	5,0		6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Th-230	liquid samples	15,0		6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Th-230	liquid samples	5,0		6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	5E-02	Bq ml ⁻¹	Th-232	liquid samples	15,0		6.1	05, 06, 07	
2202	Activity divided by volume	5E-02	1E+03	Bq ml ⁻¹	Th-232	liquid samples	5,0		6.1	05, 06, 07	
2202	Activity divided by volume	1E-03	1E+03	Bq ml ⁻¹	Sr-89	liquid samples	20	AA-6100-209	6.1	05, 06, 07	
2202	Activity divided by volume	1E-04	1E+03	Bq ml ⁻¹	Sr-90/Y-90	liquid samples	10	AA-6100-209	6.1	05, 06, 07	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 36 von 42
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Einträge in „Sonstige“

Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U_i in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
<i>Service identification</i>	<i>Quantity</i>	<i>Min Min</i>	<i>Max Max</i>	<i>Einheit Unit</i>	<i>Parameter Parameter</i>	<i>Spezifikation Specification</i>		<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>
001	Reference air kerma rate	1,0E-04	1,0E-01	Gy h ⁻¹	Co-60	air kerma free in air without scattered radiation	2,0		FB 6.2		
002	Absorbed dose rate to water	1,0E-03	3,0E-01	Gy s ⁻¹	Beta radiation	Sr-90/Y-90	7,5	AA-6200-17	FB 6.2		
003 ²⁾	Fluence rate	3,0E+02	7,5 E+03	cm ⁻² s ⁻¹	Thermal neutron beam (at 6,6 m from the chopper)		4 to 6		FB 6.4	20	
004	Surface Emission Rate	1E+01	1E+04	s ⁻¹	C-14	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
005	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Na-22	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
006	Surface Emission Rate	1E+01	1E+04	s ⁻¹	P-32	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
007	Surface Emission Rate	1E+01	1E+04	s ⁻¹	S-35	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
008	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Cl-36	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
009	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Co-60	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
010	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Ni-63	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
011	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Sr-89	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
012	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Sr-90/Y-90	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
013	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Y-90	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
014	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Tc-99	Electrically conductive backing	1,5	AA-6100-102	6.1	02	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 37 von 42
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Bezeichnung <i>Service identification</i>	Messgröße <i>Quantity</i>	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung <i>Work instruction</i>	Zuständig <i>Responsible</i>	Aufgabe <i>Task</i>	Bemerkung <i>Remark</i>
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
015	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Ru-106	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
016	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Cs-137	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
017	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Pm-147	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
018	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Tl-204	Electrically conductive backing	1,5	AA-6100-102	6.1	02	
019	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Po-210	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
020	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Th-228	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
021	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Th-230	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
022	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Th-232	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
023	Surface Emission Rate	1E+01	1E+04	s ⁻¹	U-234	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
024	Surface Emission Rate	1E+01	1E+04	s ⁻¹	U-235	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
025	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Np-237	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
026	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Pu-238	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
027	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Pu-239	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
028	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Pu-240	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
029	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Am-241	Electrically conductive backing	1,0	AA-6100-105	6.1	02	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 38 von 42
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Bezeichnung <i>Service identification</i>	Messgröße <i>Quantity</i>	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung <i>Work instruction</i>	Zuständig <i>Responsible</i>	Aufgabe <i>Task</i>	Bemerkung <i>Remark</i>
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
030	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Cm-242	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
031	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Am-243	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
032	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Cm-243	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
033	Surface Emission Rate	1E+01	1E+04	s ⁻¹	Cm-244	Electrically conductive backing	1,0	AA-6100-105	6.1	02	
034	Activity	1E+01	1E+04	Bq	C-14		2,5	AA-6100-102	6.1	02	
035	Activity	1E+01	1E+04	Bq	Na-22		2,5	AA-6100-102	6.1	02	
036	Activity	1E+01	1E+04	Bq	P-32		2,5	AA-6100-102	6.1	02	
037	Activity	1E+01	1E+04	Bq	S-35		2,5	AA-6100-102	6.1	02	
038	Activity	1E+01	1E+04	Bq	Cl-36		2,5	AA-6100-102	6.1	02	
039	Activity	1E+01	1E+04	Bq	Co-60		2,5	AA-6100-102	6.1	02	
040	Activity	1E+01	1E+04	Bq	Ni-63		2,5	AA-6100-102	6.1	02	
041	Activity	1E+01	1E+04	Bq	Sr-89		2,5	AA-6100-102	6.1	02	
042	Activity	1E+01	1E+04	Bq	Sr-90/Y-90		2,5	AA-6100-102	6.1	02	
043	Activity	1E+01	1E+04	Bq	Y-90		2,5	AA-6100-102	6.1	02	
045	Activity	1E+01	1E+04	Bq	Tc-99		2,5	AA-6100-102	6.1	02	

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 39 von 42
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Bezeichnung	Messgröße	Messbereich <i>Measurand level or range</i>			Messbedingungen <i>Measurement conditions</i>		U, in %	Arbeitsanweisung	Zuständig	Aufgabe	Bemerkung
		Min <i>Min</i>	Max <i>Max</i>	Einheit <i>Unit</i>	Parameter <i>Parameter</i>	Spezifikation <i>Specification</i>					
<i>Service identification</i>	<i>Quantity</i>						<i>Work instruction</i>	<i>Responsible</i>	<i>Task</i>	<i>Remark</i>	
046	Activity	1E+01	1E+04	Bq	Ru-106		2,5	AA-6100-102	6.1	02	
047	Activity	1E+01	1E+04	Bq	Cs-137		2,5	AA-6100-102	6.1	02	
048	Activity	1E+01	1E+04	Bq	Pm-147		2,5	AA-6100-102	6.1	02	
049	Activity	1E+01	1E+04	Bq	Tl-204		2,5	AA-6100-102	6.1	02	
050	Photon Emission Rate	1E+03	1E+05	s ⁻¹		5 - 10 keV	6,0		6.1	02, 03	
051	Photon Emission Rate	1E+03	1E+05	s ⁻¹		10 - 80 keV	2,5		6.1	02, 03	
052	Photon Emission Rate	1E+03	2E+05	s ⁻¹		10 - 30 keV	10		6.1	02, 03	
053	Photon Emission Rate	1E+03	2E+05	s ⁻¹		30 - 100 keV	2,5		6.1	02, 03	
054	Photon Emission Rate	1E+03	2E+05	s ⁻¹		100 - 1900 keV	1,5		6.1	02, 03	
055	Photon Emission Rate	1E+03	2E+05	s ⁻¹		20 - 50 keV 2 mL	5		6.1	02, 03	
056	Photon Emission Rate	1E+03	2E+05	s ⁻¹		50 - 100 keV 2 mL	2,5		6.1	02, 03	
057	Photon Emission Rate	1E+03	2E+05	s ⁻¹		100 - 1900 keV 2 mL	1,5		6.1	02, 03	

2) Thermisches Neutronenreferenzstrahlungsfeld (GKSS/Geesthacht)

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 40 von 42
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Zuordnung der Prüfungen und Kalibrierungen zum Geschäftsverteilungsplan

Aufgabe Kap. 3.1	Bezeichnung der Aufgabe im Geschäftsverteilungsplan
Fachbereich 6.1	
01	Kalibrierung von Aktivitätsmessgeräten
02	Kalibrierung radioaktiver Quellen
03	Herstellung und Abgabe von Aktivitätsnormalen
04	Prüfung umschlossener radioaktiver Stoffe
05	Radionuklidanalysen an Umweltproben, Industrieprodukten und -abfällen
06	Spurenanalyse gemäß Strahlenschutzvorsorgegesetz
07	Zertifizierung von Referenzmaterialien gemäß StrVG
08	Kalibrierung von Radon- und Radonfolgeprodukt-Messgeräten
Fachbereich 6.2	
09	Kalibrierung von Normalen für die Wasser-Energiedosis bei Co-60 Gammastrahlung
10	Kalibrierung von Normalen für die Wasser-Energiedosis bei Röntgenstrahlung
11	Kalibrierung von Normalen für die Luftkerma bei Röntgen- und Gammastrahlung
12	Kalibrierung von Normalen für die Wasser-Energiedosis für Betastrahlung
13	Bestrahlung von Alanin-Dosimetern
Fachbereich 6.3	
14	Kalibrierungen von Normalen und Strahlenschutzdosimetern mit Photonen- und Betastrahlung
15	Bauartzulassung und Prüfung von Orts- und Personendosimetern für Photonenstrahlung

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 41 von 42
---------------------	---	-------------------	-----------------	-------------------------------

Aufgabe Kap. 3.1	Bezeichnung der Aufgabe im Geschäftsverteilungsplan
16	Vergleichsmessungen für Photonen- und Betastrahlung gemäß gesetzlicher Vorgaben
17	Kalibrierung von Strahlenschutzdosimetern mit natürlicher Umgebungsstrahlung
18	Dosimetrie der natürlichen Umgebungsstrahlung am Boden
19	Dosimetrie und Aktivitätsmessungen im Untergrundlabor UDO in der Asse
Fachbereich 6.4	
20	Kalibrierungen in den Neutronen-Referenzstrahlungsfeldern
21	Dosimetrie in Flughöhen
22	Prüfungen in den Neutronen-Referenzstrahlungsfelder für Externe (im Neutronenfeld in der GKSS/Geesthacht)
Fachbereich 6.5	
23	Kalibrierung von Neutronendetektoren und –dosimetern mit Neutronenquellen
24	Vergleichsbestrahlungen von Personendosimetern der amtlichen Messstellen

Ausgabe-Nr. : 12	erstellt durch: Abteilung 6 QMV 6	am: 11.06.2010	Kapitel: 3.1	Seite von Seiten 42 von 42
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