

Key comparisons CCM.M-K5 and COOMET.M.M-K5

Key comparison CCM.M-K5

MEASURAND : Mass

NOMINAL VALUES : 2 kg, 200 g, 50 g, 1 g and 200 mg

TRANSFER STANDARDS: Jx and Jy

Details on the transfer standards used in key comparison CCM.M-K5 are given in Section 3 of the Final Report, and more specifically in Table 1 of this report.

The summary of the results reported by the participants and the estimation of the results are given in Sections 4 and 5 of the Final Report, respectively.

Equivalence statements

For each nominal mass and each transfer standard, the key comparison reference value is computed as a median as explained in Section 5 of the Final Report.

The uncertainties of the key comparison reference values are computed as given in equations 7 and 8 of the report:

- nominal mass of 2 kg: 37 μg and 48 μg for transfer standards Jx and Jy, respectively;
- nominal mass of 200 g: 5.0 μg and 3.9 μg for transfer standards Jx and Jy, respectively;
- nominal mass of 50 g: 2.5 μg and 2.1 μg for transfer standards Jx and Jy, respectively;
- nominal mass of 1 g: 0.65 μg and 0.50 μg for transfer standards Jx and Jy, respectively; and
- nominal mass of 200 mg: 0.45 μg and 0.51 μg for transfer standards Jx and Jy, respectively.

For each nominal mass and each transfer standard, the degree of equivalence of laboratory i with respect to the key comparison reference value is given by a pair of terms: D_i and U_i , its expanded uncertainty ($k = 2$), both expressed in μg , computed as explained in equations 6, 9 and 10 of the report.

For each nominal mass and each transfer standard, the degree of equivalence between two laboratories i and j is given by a pair of terms: $D_{ij} = D_i - D_j$ and U_{ij} , its expanded uncertainty ($k = 2$), both expressed in μg , computed as explained in equations 11, 12 and 13 of the report.

Key comparisons CCM.M-K5 and COOMET.M.M-K5

Key comparison COOMET.M.M-K5

MEASURAND : Mass

NOMINAL VALUES : 2 kg, 200 g, 50 g, 1 g and 200 mg

TRANSFER STANDARDS: 2 kg « 5 », 2 kg None, 200 g « * », 200 g None, 50 g « * », 50 g « ** », 1 g « C », 1 g « K », 200 mg « * », 200 mg None

The letters and signs used to specify the standards are explained in Section 3.1 of the COOMET.M.M-K5 Final Report, and the results reported by the participants are summarized in Tables 4 and 5 on page 5 of the same Report.

Linking COOMET.M.M-K5 results to those of CCM.M-K5

The common participation of VNIIM makes it possible to link the COOMET.M.M-K5 results to those of CCM.M-K5 (see Section 4.3 of the COOMET.M.M-K5 Final Report), using the VNIIM results for the CCM.M-K5 standards 2 kg-Jx, 200 g-Jy, 1 g-Jy and 200 mg-Jy. In CCM.M-K5, the VNIIM results for the weights with nominal values 50 g were not consistent with the key comparison reference values. Thus the results of measurements for this value have been excluded from the computation of the degrees of equivalence of COOMET.M.M-K5 participants.

Pair-wise degrees of equivalence involving COOMET.M.M-K5 participants (only) have not been computed.

Key comparisons CCM.M-K5 and COOMET.M.M-K5

Matrix of equivalence

NOMINAL VALUE : 2 kg

TRANSFER STANDARDS : 2 kg-Jx for CCM.M-K5, and 2 kg « 5 » and 2 kg None for COOMET.M.M-K5

Lab <i>i</i> ↓	<i>D_i</i> <i>U_i</i> / μg		Lab <i>j</i> →																			
	<i>D_{ij}</i> / μg	<i>U_{ij}</i> / μg	KRIS		NMIA		NMJ		NPLI		NIM		CENAM		INMETRO		NRC		NIST		VSL	
KRIS	-41	89			-280	305	-6	139	-140	114	-245	110	-79	150	-28	1203	29	104	33	105	15	165
NMIA	239	298	280	305			274	316	140	306	35	305	201	321	252	1236	309	302	313	303	295	328
NMIJ	-35	123	6	139	-274	316			-134	142	-239	138	-73	172	-22	1206	35	134	39	135	21	185
NPLI	99	93	140	114	-140	306	134	142			-105	113	61	152	112	1203	169	107	173	108	155	167
NIM	204	87	245	110	-35	305	239	138	105	113			166	148	217	1203	274	103	278	104	260	164
CENAM	38	131	79	150	-201	321	73	172	-61	152	-166	148			51	1207	108	140	112	141	94	191
INMETRO	-13	1201	28	1203	-252	1236	22	1206	-112	1203	-217	1203	-51	1207			57	1202	61	1202	43	1209
NRC	-70	75	-29	104	-309	302	-35	134	-169	107	-274	103	-108	140	-57	1202			4	91	-14	157
NIST	-74	76	-33	105	-313	303	-39	135	-173	108	-278	104	-112	141	-61	1202	-4	91			-18	158
VSL	-56	148	-15	165	-295	328	-21	185	-155	167	-260	164	-94	191	-43	1209	14	157	18	158		
VNIIM	4	62	45	96	-235	300	39	127	-95	99	-200	94	-34	135	17	1201	74	82	78	84	60	149
GUM	1094	363	1135	370	855	467	1129	380	995	371	890	370	1056	383	1107	1253	1164	367	1168	367	1150	388
INRIM	-50	77	-9	106	-289	303	-15	135	-149	109	-254	104	-88	143	-37	1202	20	94	24	95	6	155
METAS	-28	142	12	159	-268	326	6	180	-128	161	-233	158	-67	186	-16	1208	41	151	45	152	27	196
NPL	-16	89	25	115	-255	306	19	142	-115	117	-220	113	-54	149	-3	1203	54	104	58	105	40	165
PTB	0	70	41	100	-239	301	35	131	-99	104	-204	99	-38	139	13	1202	70	88	74	89	56	155
CEM	1	81	42	109	-238	304	36	138	-98	112	-203	108	-37	145	14	1202	71	97	75	99	57	161
LNE	14	204	55	217	-225	357	49	232	-85	218	-190	216	-24	237	27	1217	84	211	88	212	70	247
SMU	54	108	95	130	-185	312	89	155	-45	133	-150	129	16	162	67	1204	124	121	128	122	110	176

BelGIM	-226	480
KazInMetr	54	240
NSC IM	194	360
BelGIM	54	480
KazInMetr	-116	240
NSC IM	-596	360

Values for standard 2 kg « 5 »
Values for standard 2 kg None

Key comparisons CCM.M-K5 and COOMET.M.M-K5

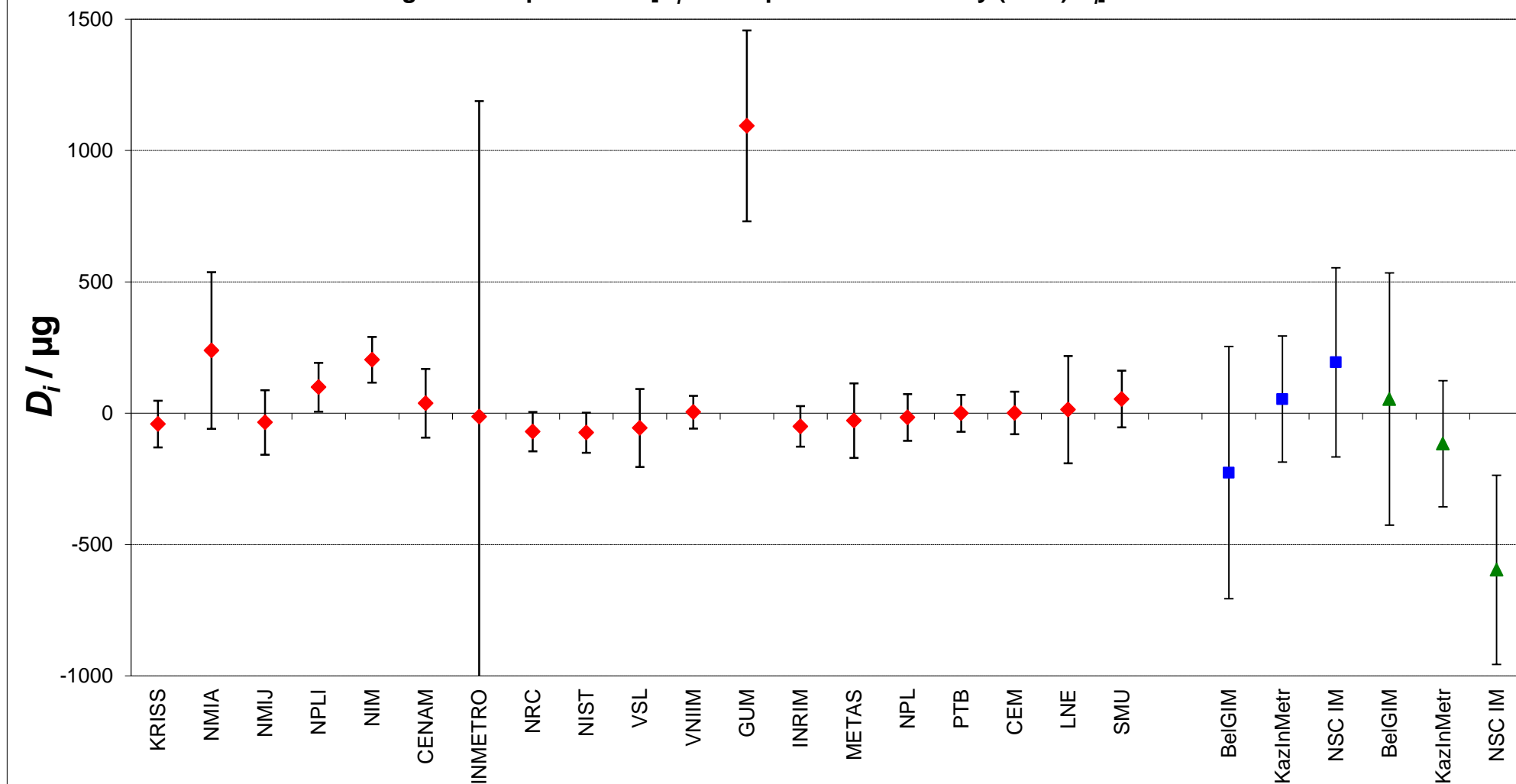
Matrix of equivalence (Continued)

NOMINAL VALUE : 2 kg

TRANSFER STANDARDS : 2 kg-Jx for CCM.M-K5, and 2 kg «5 » and 2 kg None for COOMET.M.M-K5

Lab <i>i</i> ↓	<i>D_i</i> <i>U_i</i> / μg		Lab <i>j</i> →																			
			VNIIM		GUM		INRIM		METAS		NPL		PTB		CEM		LNE		SMU			
	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>		
KRISS	-41	89	-45	96	-1135	370	9	106	-12	159	-25	115	-41	100	-42	109	-55	217	-95	130		
NMIA	239	298	235	300	-855	467	289	303	268	326	255	306	239	301	238	304	225	357	185	312		
NMIJ	-35	123	-39	127	-1129	380	15	135	-6	180	-19	142	-35	131	-36	138	-49	232	-89	155		
NPLI	99	93	95	99	-995	371	149	109	128	161	115	117	99	104	98	112	85	218	45	133		
NIM	204	87	200	94	-890	370	254	104	233	158	220	113	204	99	203	108	190	216	150	129		
CENAM	38	131	34	135	-1056	383	88	143	67	186	54	149	38	139	37	145	24	237	-16	162		
INMETRO	-13	1201	-17	1201	-1107	1253	37	1202	16	1208	3	1203	-13	1202	-14	1202	-27	1217	-67	1204		
NRC	-70	75	-74	82	-1164	367	-20	94	-41	151	-54	104	-70	88	-71	97	-84	211	-124	121		
NIST	-74	76	-78	84	-1168	367	-24	95	-45	152	-58	105	-74	89	-75	99	-88	212	-128	122		
VSL	-56	148	-60	149	-1150	388	-6	155	-27	196	-40	165	-56	155	-57	161	-70	247	-110	176		
VNIIM	4	62			-1090	364	54	78	33	142	20	95	4	78	3	88	-10	207	-50	114		
GUM	1094	363	1090	364			1144	366	1123	385	1110	370	1094	366	1093	369	1080	413	1040	375		
INRIM	-50	77	-54	78	-1144	366			-21	149	-34	105	-50	90	-51	99	-64	212	-104	122		
METAS	-28	142	-33	142	-1123	385	21	149			-12	159	-28	149	-29	155	-42	243	-82	170		
NPL	-16	89	-20	95	-1110	370	34	105	12	159			-16	98	-17	107	-30	216	-70	129		
PTB	0	70	-4	78	-1094	366	50	90	28	149	16	98			-1	92	-14	209	-54	116		
CEM	1	81	-3	88	-1093	369	51	99	29	155	17	107	1	92			-13	213	-53	124		
LNE	14	204	10	207	-1080	413	64	212	42	243	30	216	14	209	13	213			-40	224		
SMU	54	108	50	114	-1040	375	104	122	82	170	70	129	54	116	53	124	40	224				

CCM.M-K5 and COOMET.M.M-K5 Nominal value 2 kg
 Degrees of equivalence [D_i and expanded uncertainty ($k = 2$) U_i]



Red diamonds: CCM.M-K5 participants (2 kg-Jx standard)
 Blue squares: COOMET.M.M-K5 participants (2 kg « 5 » standard)
 Green triangles: COOMET.M.M-K5 participants (2 kg None standard)

Key comparison CCM.M-K5

NOMINAL VALUE : 2 kg
TRANSFER STANDARD : Jy

Matrix of equivalence

Lab <i>i</i> ↓			Lab <i>j</i> →																			
	<i>D_i</i>	<i>U_i</i>	KRISS		NMIA		NMJ		NPLI		NIM		CENAM		INMETRO		NRC		NIST		VSL	
	/ μg		<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
KRISS	-170	88																				
NMIA	100	300	270	303			145	317	40	312	25	305	100	323	31	1236	197	303	195	305	67	329
NMIJ	-45	128	125	136	-145	317			-105	155	-120	140	-45	175	-114	1206	52	136	50	139	-77	186
NPLI	60	116	230	125	-40	312	105	155			-15	129	60	166	-9	1205	157	125	155	128	27	179
NIM	75	95	245	105	-25	305	120	140	15	129			75	152	6	1203	172	106	170	109	42	165
CENAM	0	137	170	148	-100	323	45	175	-60	166	-75	152			-69	1207	97	141	95	144	-33	193
INMETRO	69	1201	239	1203	-31	1236	114	1206	9	1205	-6	1203	69	1207			166	1202	164	1202	36	1209
NRC	-97	82	73	100	-197	303	-52	136	-157	125	-172	106	-97	141	-166	1202			-2	93	-130	159
NIST	-95	87	75	104	-195	305	-50	139	-155	128	-170	109	-95	144	-164	1202	2	93			-128	161
VSL	33	152	203	162	-67	329	77	186	-27	179	-42	165	33	193	-36	1209	130	159	128	161		
VNIIM	83	71	253	91	-17	301	127	129	23	118	8	97	83	139	14	1202	180	85	178	89	50	149
GUM	823	365	993	369	723	467	867	380	763	377	748	371	823	384	754	1254	920	368	918	369	790	388
INRIM	-37	84	133	101	-137	304	7	137	-97	126	-112	107	-37	146	-106	1202	60	96	58	100	-70	156
METAS	13	146	183	156	-87	326	58	181	-47	173	-62	160	13	188	-56	1208	110	153	108	155	-20	196
NPL	-53	101	117	115	-153	309	-9	148	-113	138	-128	120	-53	156	-122	1204	44	111	42	114	-86	169
PTB	-32	84	138	102	-132	304	12	137	-92	126	-107	107	-32	146	-101	1202	65	96	63	100	-65	160
CEM	-47	96	123	111	-147	307	-3	144	-107	134	-122	116	-47	153	-116	1203	50	107	48	110	-80	166
LNE	-3	210	167	217	-103	360	41	236	-63	230	-78	220	-3	241	-72	1218	94	215	92	217	-36	250
SMU	27	118	197	131	-73	315	71	160	-33	151	-48	135	27	168	-42	1205	124	127	122	130	-6	180

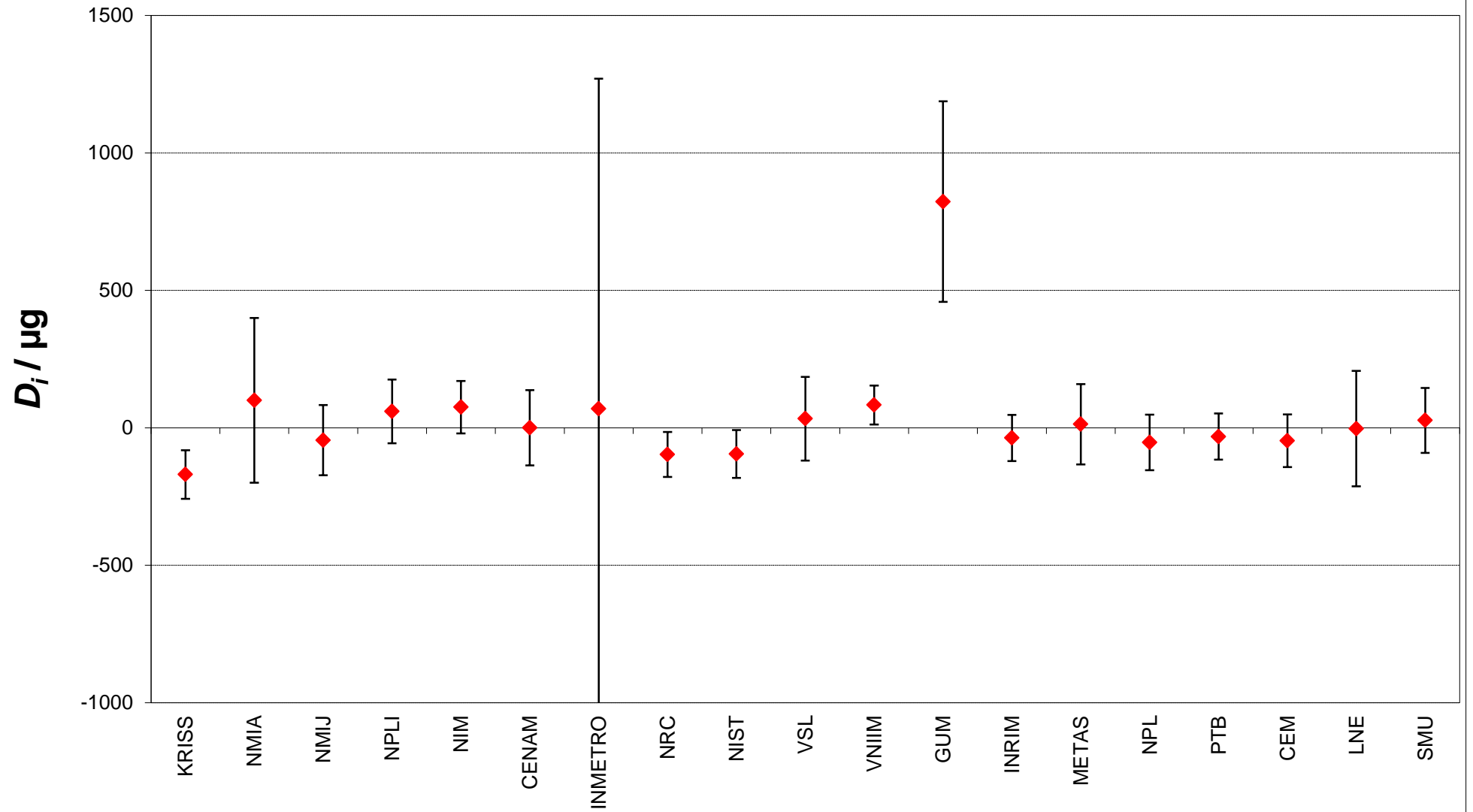
Key comparison CCM.M-K5

NOMINAL VALUE : 2 kg
TRANSFER STANDARD : Jy

Matrix of equivalence (Continued)

Lab <i>i</i> ↓			Lab <i>j</i> →																	
	<i>D_i</i>	<i>U_i</i>	VNIIM		GUM		INRIM		METAS		NPL		PTB		CEM		LNE		SMU	
	/ μg		<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
KRISS	-170	88	-253	91	-993	369	-133	101	-183	156	-117	115	-138	102	-123	111	-167	217	-197	131
NMIA	100	300	17	301	-723	467	137	304	87	326	153	309	132	304	147	307	103	360	73	315
NMIJ	-45	128	-127	129	-867	380	-7	137	-58	181	9	148	-12	137	3	144	-41	236	-71	160
NPLI	60	116	-23	118	-763	377	97	126	47	173	113	138	92	126	107	134	63	230	33	151
NIM	75	95	-8	97	-748	371	112	107	62	160	128	120	107	107	122	116	78	220	48	135
CENAM	0	137	-83	139	-823	384	37	146	-13	188	53	156	32	146	47	153	3	241	-27	168
INMETRO	69	1201	-14	1202	-754	1254	106	1202	56	1208	122	1204	101	1202	116	1203	72	1218	42	1205
NRC	-97	82	-180	85	-920	368	-60	96	-110	153	-44	111	-65	96	-50	107	-94	215	-124	127
NIST	-95	87	-178	89	-918	369	-58	100	-108	155	-42	114	-63	100	-48	110	-92	217	-122	130
VSL	33	152	-50	149	-790	388	70	156	20	196	86	169	65	160	80	166	36	250	6	180
VNIIM	83	71			-740	364	120	80	70	143	136	103	115	87	130	98	86	211	56	120
GUM	823	365	740	364			860	367	810	385	876	372	855	368	870	371	826	415	796	377
INRIM	-37	84	-120	80	-860	367			-50	150	16	112	-5	98	10	108	-34	215	-64	128
METAS	13	146	-70	143	-810	385	50	150			66	163	45	154	60	160	16	246	-14	175
NPL	-53	101	-136	103	-876	372	-16	112	-66	163			-21	105	-6	114	-50	219	-80	133
PTB	-32	84	-115	87	-855	368	5	98	-45	154	21	105			15	100	-29	212	-59	122
CEM	-47	96	-130	98	-870	371	-10	108	-60	160	6	114	-15	100			-44	216	-74	130
LNE	-3	210	-86	211	-826	415	34	215	-16	246	50	219	29	212	44	216			-30	227
SMU	27	118	-56	120	-796	377	64	128	14	175	80	133	59	122	74	130	30	227		

CCM.M-K5 **Nominal value 2 kg (Standard Jy)**
Degrees of equivalence [D_i and expanded uncertainty ($k = 2$) U_i]



Key comparison CCM.M-K5

NOMINAL VALUE : 200 g
TRANSFER STANDARD : Jx

Matrix of equivalence

Lab <i>i</i> ↓			Lab <i>j</i> →																			
	<i>D_i</i>	<i>U_i</i>	KRIS		NMIA		NMJ		NPLI		NIM		CENAM		INMETRO		NRC		NIST		VSL	
	/ μg		<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
KRIS	-21.4	10.1			-20.0	20.0	-11.6	15.9	-4.0	33.2	-27.0	13.3	-21.4	12.2	-22.4	120.0	-16.2	12.3	-20.7	14.3	-19.3	25.7
NMIA	-1.4	19.0	20.0	20.0			8.4	22.7	16.0	36.9	-7.0	20.9	-1.4	20.2	-2.4	121.0	3.8	20.3	-0.7	21.6	0.7	30.3
NMIJ	-9.8	14.6	11.6	15.9	-8.4	22.7			7.6	34.8	-15.4	17.0	-9.8	16.1	-10.8	121.0	-4.6	16.2	-9.1	17.8	-7.6	27.8
NPLI	-17.4	32.6	4.0	33.2	-16.0	36.9	-7.6	34.8			-23.0	33.7	-17.4	33.3	-18.4	124.0	-12.2	33.3	-16.7	34.1	-15.3	40.3
NIM	5.6	11.8	27.0	13.3	7.0	20.9	15.4	17.0	23.0	33.7			5.6	13.6	4.6	120.0	10.8	13.7	6.3	15.5	7.7	26.4
CENAM	0.0	9.8	21.4	12.2	1.4	20.2	9.8	16.1	17.4	33.3	-5.6	13.6			-1.0	120.0	5.2	11.7	0.7	13.8	2.1	25.6
INMETRO	1.0	120.1	22.4	120.0	2.4	121.0	10.8	121.0	18.4	124.0	-4.6	120.0	1.0	120.0			6.2	120.0	1.7	121.0	3.1	122.0
NRC	-5.2	9.9	16.2	12.3	-3.8	20.3	4.6	16.2	12.2	33.3	-10.8	13.7	-5.2	11.7	-6.2	120.0			-4.5	14.0	-3.1	25.6
NIST	-0.7	12.3	20.7	14.3	0.7	21.6	9.1	17.8	16.7	34.1	-6.3	15.5	-0.7	13.8	-1.7	121.0	4.5	14.0			1.4	26.7
VSL	-2.1	24.7	19.3	25.7	-0.7	30.3	7.6	27.8	15.3	40.3	-7.7	26.4	-2.1	25.6	-3.1	122.0	3.1	25.6	-1.4	26.7		
VNIIM	24.9	9.8	46.3	12.2	26.3	20.2	34.6	16.1	42.3	33.3	19.3	13.6	24.9	11.9	23.9	120.0	30.1	12.0	25.6	14.1	27.0	25.4
GUM	39.9	40.4	61.3	41.0	41.3	44.1	49.6	42.4	57.3	51.4	34.3	41.5	39.9	41.0	38.9	127.0	45.1	41.0	40.6	41.6	42.0	46.7
INRIM	8.6	9.3	30.0	11.8	10.0	20.0	18.3	15.8	26.0	33.2	3.0	13.2	8.6	11.5	7.6	120.0	13.8	11.6	9.3	13.8	10.7	25.3
METAS	15.3	14.2	36.7	15.9	16.7	22.7	25.0	19.1	32.7	34.8	9.7	17.0	15.3	15.7	14.3	121.0	20.5	15.8	16.0	17.4	17.4	27.4
NPL	7.2	9.4	28.6	11.9	8.6	20.0	16.9	15.9	24.6	33.2	1.6	13.3	7.2	11.6	6.2	120.0	12.4	11.7	7.9	13.8	9.3	25.4
PTB	-1.5	8.1	19.9	10.8	-0.1	19.4	8.2	15.1	15.9	32.8	-7.1	12.4	-1.5	10.5	-2.5	120.0	3.7	10.7	-0.8	12.9	0.6	25.0
CEM	0.6	12.6	22.0	14.5	2.0	21.7	10.3	18.0	18.0	34.2	-5.0	15.7	0.6	14.3	-0.4	121.0	5.8	14.4	1.3	16.2	2.7	26.8
LNE	-1.3	15.2	20.1	16.8	0.1	23.3	8.4	19.8	16.1	35.2	-6.9	17.8	-1.3	16.6	-2.3	121.0	3.9	16.7	-0.6	18.2	0.8	28.1
SMU	22.2	14.2	43.6	16.0	23.6	22.7	31.9	19.1	39.6	34.9	16.6	17.1	22.2	15.7	21.2	121.0	27.4	15.8	22.9	17.5	24.3	27.6

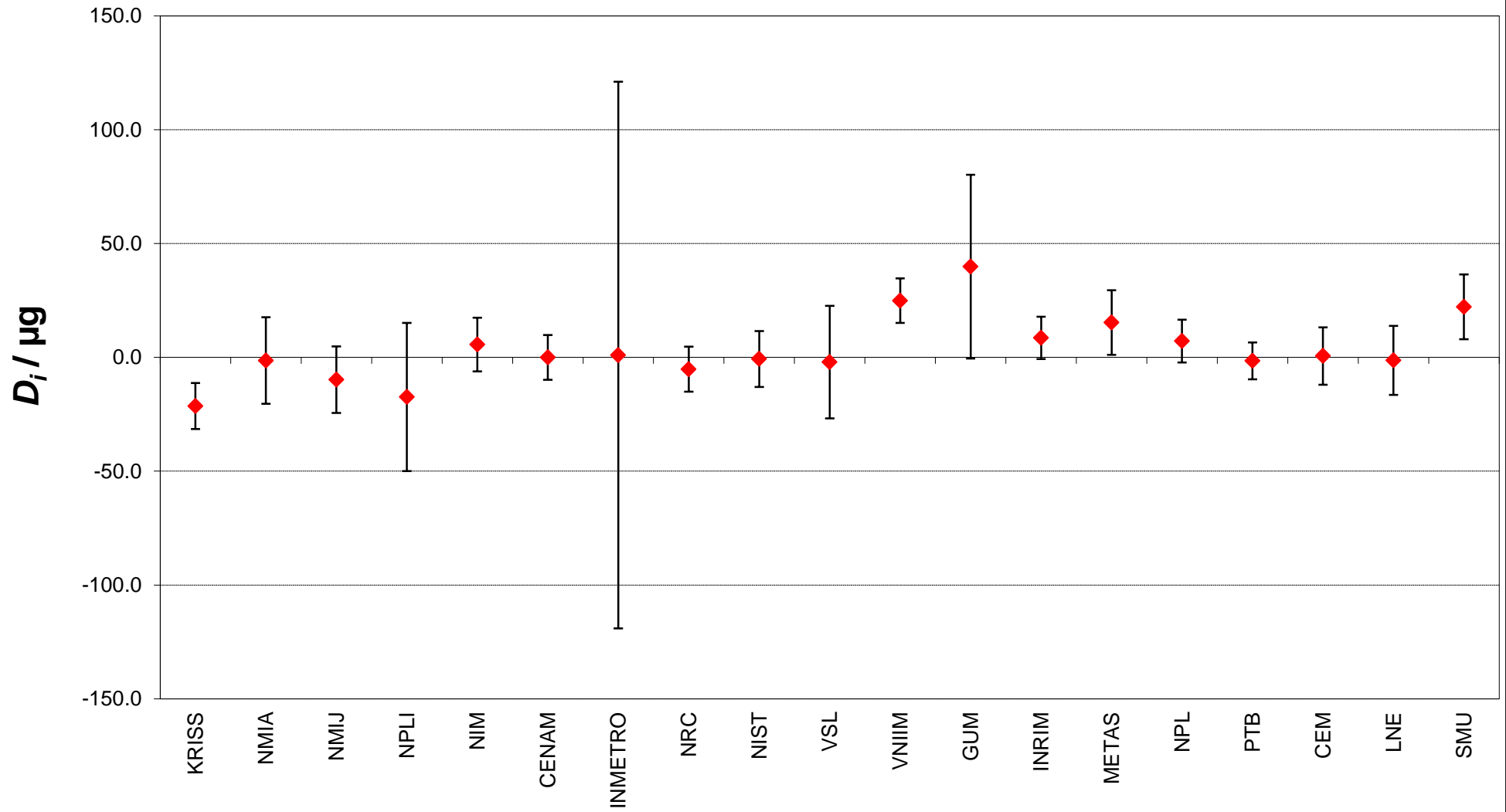
Key comparison CCM.M-K5

NOMINAL VALUE : 200 g
TRANSFER STANDARD : Jx

Matrix of equivalence (Continued)

Lab <i>i</i> ↓	Lab <i>j</i> →																			
			VNIIM		GUM		INRIM		METAS		NPL		PTB		CEM		LNE		SMU	
	<i>D_i</i>	<i>U_i</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
KRISS	-21.4	10.1	-46.3	12.2	-61.3	41.0	-30.0	11.8	-36.7	15.9	-28.6	11.9	-19.9	10.8	-22.0	14.5	-20.1	16.8	-43.6	16.0
NMIA	-1.4	19.0	-26.3	20.2	-41.3	44.1	-10.0	20.0	-16.7	22.7	-8.6	20.0	0.1	19.4	-2.0	21.7	-0.1	23.3	-23.6	22.7
NMIJ	-9.8	14.6	-34.6	16.1	-49.6	42.4	-18.3	15.8	-25.0	19.1	-16.9	15.9	-8.2	15.1	-10.3	18.0	-8.4	19.8	-31.9	19.1
NPLI	-17.4	32.6	-42.3	33.3	-57.3	51.4	-26.0	33.2	-32.7	34.8	-24.6	33.2	-15.9	32.8	-18.0	34.2	-16.1	35.2	-39.6	34.9
NIM	5.6	11.8	-19.3	13.6	-34.3	41.5	-3.0	13.2	-9.7	17.0	-1.6	13.3	7.1	12.4	5.0	15.7	6.9	17.8	-16.6	17.1
CENAM	0.0	9.8	-24.9	11.9	-39.9	41.0	-8.6	11.5	-15.3	15.7	-7.2	11.6	1.5	10.5	-0.6	14.3	1.3	16.6	-22.2	15.7
INMETRO	1.0	120.1	-23.9	120.0	-38.9	127.0	-7.6	120.0	-14.3	121.0	-6.2	120.0	2.5	120.0	0.4	121.0	2.3	121.0	-21.2	121.0
NRC	-5.2	9.9	-30.1	12.0	-45.1	41.0	-13.8	11.6	-20.5	15.8	-12.4	11.7	-3.7	10.7	-5.8	14.4	-3.9	16.7	-27.4	15.8
NIST	-0.7	12.3	-25.6	14.1	-40.6	41.6	-9.3	13.8	-16.0	17.4	-7.9	13.8	0.8	12.9	-1.3	16.2	0.6	18.2	-22.9	17.5
VSL	-2.1	24.7	-27.0	25.4	-42.0	46.7	-10.7	25.3	-17.4	27.4	-9.3	25.4	-0.6	25.0	-2.7	26.8	-0.8	28.1	-24.3	27.6
VNIIM	24.9	9.8			-15.0	40.9	16.3	11.2	9.6	15.5	17.7	11.6	26.4	10.5	24.3	14.3	26.2	16.6	2.7	15.8
GUM	39.9	40.4	15.0	40.9			31.3	40.8	24.6	42.1	32.7	40.9	41.4	40.6	39.3	41.7	41.2	42.6	17.7	42.2
INRIM	8.6	9.3	-16.3	11.2	-31.3	40.8			-6.7	15.2	1.4	11.2	10.1	10.1	8.0	14.0	9.9	16.3	-13.6	15.5
METAS	15.3	14.2	-9.6	15.5	-24.6	42.1	6.7	15.2			8.1	15.5	16.8	14.7	14.7	17.6	16.6	19.5	-6.9	18.8
NPL	7.2	9.4	-17.7	11.6	-32.7	40.9	-1.4	11.2	-8.1	15.5			8.7	9.7	6.6	13.7	8.5	16.1	-15.0	15.2
PTB	-1.5	8.1	-26.4	10.5	-41.4	40.6	-10.1	10.1	-16.8	14.7	-8.7	9.7			-2.1	12.9	-0.2	15.4	-23.7	14.5
CEM	0.6	12.6	-24.3	14.3	-39.3	41.7	-8.0	14.0	-14.7	17.6	-6.6	13.7	2.1	12.9			1.9	18.2	-21.6	17.4
LNE	-1.3	15.2	-26.2	16.6	-41.2	42.6	-9.9	16.3	-16.6	19.5	-8.5	16.1	0.2	15.4	-1.9	18.2			-23.5	19.3
SMU	22.2	14.2	-2.7	15.8	-17.7	42.2	13.6	15.5	6.9	18.8	15.0	15.2	23.7	14.5	21.6	17.4	23.5	19.3		

CCM.M-K5 Nominal value 200 g (Standard Jx)
Degrees of equivalence [D_i and expanded uncertainty ($k = 2$) U_i]



Key comparisons CCM.M-K5 and COOMET.M.M-K5

Matrix of equivalence

NOMINAL VALUE : 200 g

TRANSFER STANDARD : 200 g-Jy for CCM.M-K5, and 200 g « * » and 200 g None for COOMET.M.M-K5

Lab <i>i</i> ↓	D_i U_i / μg		Lab <i>j</i> →																					
	D_{ij} / μg	U_{ij} / μg	KRIS		NMIA		NMJ		NPLI		NIM		CENAM		INMETRO		NRC		NIST		VSL			
KRIS	-33.0	10.5																						
NMIA	-12.0	19.3	21.0	20.5			1.1	23.0	10.0	37.1	-12.0	21.3	-12.2	20.6	-17.2	122.0	-16.4	20.3	-15.7	22.0	7.4	30.9		
NMIJ	-13.1	14.9	19.9	16.5	-1.1	23.0			8.9	35.1	-13.1	17.5	-13.3	16.7	-18.3	121.0	-17.5	16.2	-16.8	18.3	6.3	28.4		
NPLI	-22.0	32.7	11.0	33.5	-10.0	37.1	-8.9	35.1			-22.0	34.0	-22.2	33.6	-27.2	124.0	-26.4	33.3	-25.7	34.4	-2.6	40.7		
NIM	0.0	12.1	33.0	14.0	12.0	21.3	13.1	17.5	22.0	34.0			-0.2	14.2	-5.2	121.0	-4.4	13.7	-3.7	16.1	19.4	27.1		
CENAM	0.2	9.3	33.2	12.9	12.2	20.6	13.3	16.7	22.2	33.6	0.2	14.2			-5.0	120.0	-4.2	11.0	-3.5	13.9	19.6	26.0		
INMETRO	5.2	120.1	38.2	120.0	17.2	122.0	18.3	121.0	27.2	124.0	5.2	121.0	5.0	120.0			0.8	120.0	1.5	121.0	24.6	123.0		
NRC	4.4	8.5	37.4	12.3	16.4	20.3	17.5	16.2	26.4	33.3	4.4	13.7	4.2	11.0	-0.8	120.0			0.7	13.3	23.8	25.7		
NIST	3.7	12.0	36.7	14.9	15.7	22.0	16.8	18.3	25.7	34.4	3.7	16.1	3.5	13.9	-1.5	121.0	-0.7	13.3			23.1	27.0		
VSL	-19.4	24.9	13.6	26.4	-7.4	30.9	-6.3	28.4	2.6	40.7	-19.4	27.1	-19.6	26.0	-24.6	123.0	-23.8	25.7	-23.1	27.0				
VNIIM	2.6	10.3	35.6	13.6	14.6	21.1	15.7	17.2	24.6	33.8	2.6	14.9	2.4	12.7	-2.6	120.0	-1.8	12.1	-1.1	14.8	22.0	25.8		
GUM	20.6	40.5	53.6	41.5	32.6	44.5	33.7	42.8	42.6	51.8	20.6	41.9	20.4	41.2	15.4	127.0	16.2	41.0	16.9	41.9	40.0	46.9		
INRIM	-6.5	9.8	26.5	13.3	5.5	20.9	6.6	17.0	15.5	33.7	-6.5	14.6	-6.7	12.3	-11.7	120.0	-10.9	11.7	-10.2	14.5	12.9	25.6		
METAS	3.3	14.5	36.3	17.0	15.3	23.5	16.4	20.1	25.3	35.4	3.3	18.1	3.1	16.3	-1.9	121.0	-1.1	15.9	-0.4	18.0	22.7	27.8		
NPL	-1.3	9.5	31.7	13.0	10.7	20.7	11.8	16.8	20.7	33.6	-1.3	14.3	-1.5	12.0	-6.5	120.0	-5.7	11.4	-5.0	14.2	18.1	26.0		
PTB	-4.4	8.1	28.6	12.1	7.6	20.1	8.7	16.0	17.6	33.3	-4.4	13.5	-4.6	11.0	-9.6	120.0	-8.8	10.3	-8.1	13.4	15.0	25.6		
CEM	-1.9	12.5	31.1	15.3	10.1	22.3	11.2	18.6	20.1	34.6	-1.9	16.5	-2.1	14.5	-7.1	121.0	-6.3	14.0	-5.6	16.4	17.5	27.2		
LNE	1.8	15.2	34.8	17.6	13.8	23.9	14.9	20.5	23.8	35.6	1.8	18.6	1.6	16.9	-3.4	121.0	-2.6	16.5	-1.9	18.5	21.2	28.6		
SMU	5.7	14.3	38.7	16.8	17.7	23.3	18.8	19.9	27.7	35.3	5.7	17.9	5.5	16.1	0.5	121.0	1.3	15.6	2.0	17.8	25.1	28.1		

BelGIM	33	64
KazInMetr	0	26
NSC IM	2	32
BelGIM	33	64
KazInMetr	2	26
NSC IM	-15	32

Values for standard 200 g « * »
Values for standard 200 g None

Key comparisons CCM.M-K5 and COOMET.M.M-K5

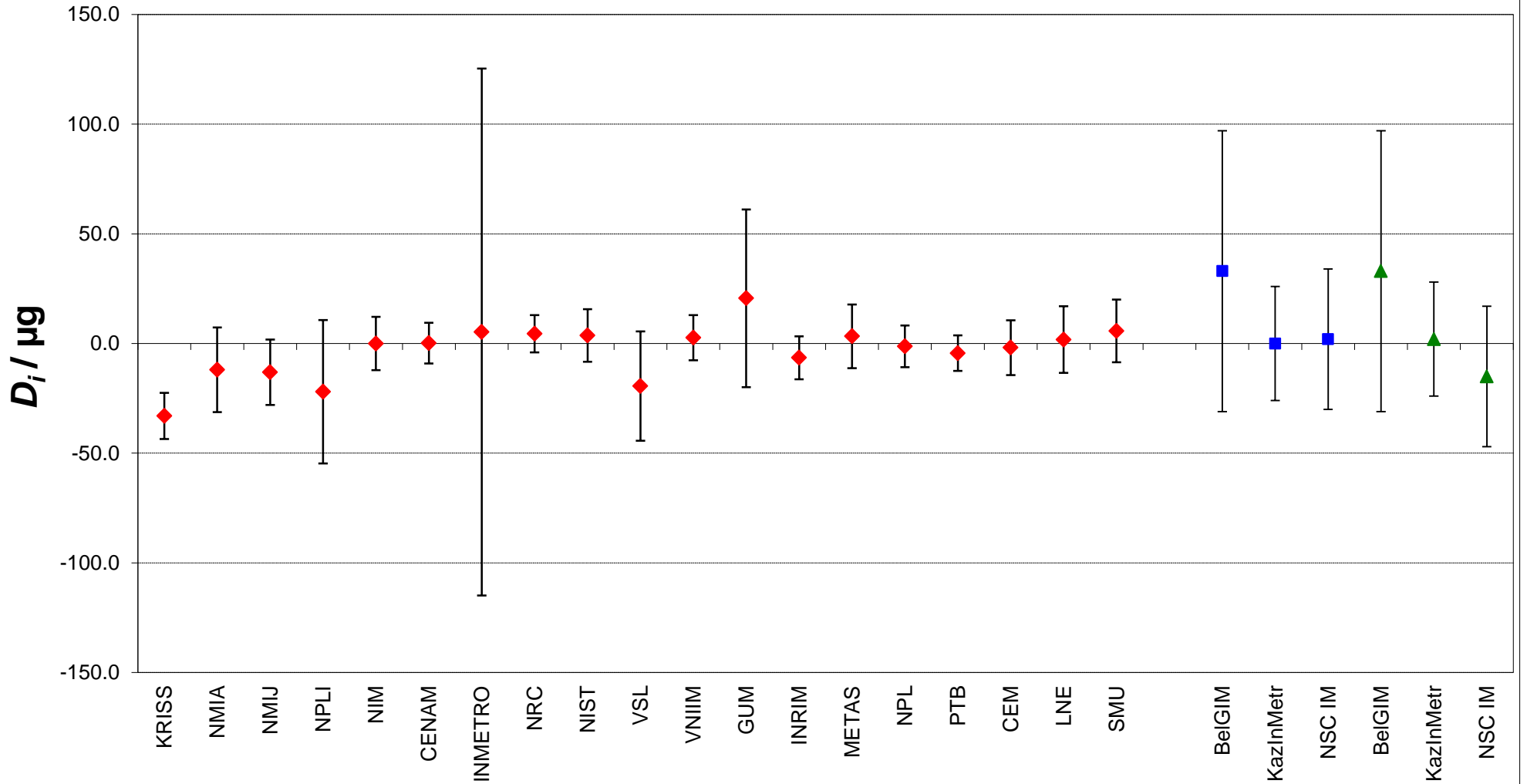
Matrix of equivalence (Continued)

NOMINAL VALUE : 200 g

TRANSFER STANDARD : 200 g-Jy for CCM.M-K5, and 200 g « * » and 200 g None for COOMET.M.M-K5

Lab <i>i</i> ↓	<i>D_i</i> <i>U_i</i> / μg		Lab <i>j</i> →																			
			VNIIM		GUM		INRIM		METAS		NPL		PTB		CEM		LNE		SMU			
	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>		
KRISS	-33.0	10.5	-35.6	13.6	-53.6	41.5	-26.5	13.3	-36.3	17.0	-31.7	13.0	-28.6	12.1	-31.1	15.3	-34.8	17.6	-38.7	16.8		
NMIA	-12.0	19.3	-14.6	21.1	-32.6	44.5	-5.5	20.9	-15.3	23.5	-10.7	20.7	-7.6	20.1	-10.1	22.3	-13.8	23.9	-17.7	23.3		
NMIJ	-13.1	14.9	-15.7	17.2	-33.7	42.8	-6.6	17.0	-16.4	20.1	-11.8	16.8	-8.7	16.0	-11.2	18.6	-14.9	20.5	-18.8	19.9		
NPLI	-22.0	32.7	-24.6	33.8	-42.6	51.8	-15.5	33.7	-25.3	35.4	-20.7	33.6	-17.6	33.3	-20.1	34.6	-23.8	35.6	-27.7	35.3		
NIM	0.0	12.1	-2.6	14.9	-20.6	41.9	6.5	14.6	-3.3	18.1	1.3	14.3	4.4	13.5	1.9	16.5	-1.8	18.6	-5.7	17.9		
CENAM	0.2	9.3	-2.4	12.7	-20.4	41.2	6.7	12.3	-3.1	16.3	1.5	12.0	4.6	11.0	2.1	14.5	-1.6	16.9	-5.5	16.1		
INMETRO	5.2	120.1	2.6	120.0	-15.4	127.0	11.7	120.0	1.9	121.0	6.5	120.0	9.6	120.0	7.1	121.0	3.4	121.0	-0.5	121.0		
NRC	4.4	8.5	1.8	12.1	-16.2	41.0	10.9	11.7	1.1	15.9	5.7	11.4	8.8	10.3	6.3	14.0	2.6	16.5	-1.3	15.6		
NIST	3.7	12.0	1.1	14.8	-16.9	41.9	10.2	14.5	0.4	18.0	5.0	14.2	8.1	13.4	5.6	16.4	1.9	18.5	-2.0	17.8		
VSL	-19.4	24.9	-22.0	25.8	-40.0	46.9	-12.9	25.6	-22.7	27.8	-18.1	26.0	-15.0	25.6	-17.5	27.2	-21.2	28.6	-25.1	28.1		
VNIIM	2.6	10.3			-18.0	41.1	9.1	12.0	-0.7	16.1	3.9	12.8	7.0	11.9	4.5	15.2	0.8	17.5	-3.1	16.7		
GUM	20.6	40.5	18.0	41.1			27.1	41.0	17.3	42.4	21.9	41.2	25.0	41.0	22.5	42.0	18.8	42.9	14.9	42.6		
INRIM	-6.5	9.8	-9.1	12.0	-27.1	41.0			-9.8	15.8	-5.2	12.5	-2.1	11.5	-4.6	14.9	-8.3	17.2	-12.2	16.4		
METAS	3.3	14.5	0.7	16.1	-17.3	42.4	9.8	15.8			4.6	16.4	7.7	15.7	5.2	18.3	1.5	20.3	-2.4	19.6		
NPL	-1.3	9.5	-3.9	12.8	-21.9	41.2	5.2	12.5	-4.6	16.4			3.1	10.3	0.6	14.0	-3.1	16.4	-7.0	15.6		
PTB	-4.4	8.1	-7.0	11.9	-25.0	41.0	2.1	11.5	-7.7	15.7	-3.1	10.3			-2.5	13.1	-6.2	15.7	-10.1	14.8		
CEM	-1.9	12.5	-4.5	15.2	-22.5	42.0	4.6	14.9	-5.2	18.3	-0.6	14.0	2.5	13.1			-3.7	18.3	-7.6	17.6		
LNE	1.8	15.2	-0.8	17.5	-18.8	42.9	8.3	17.2	-1.5	20.3	3.1	16.4	6.2	15.7	3.7	18.3			-3.9	19.6		
SMU	5.7	14.3	3.1	16.7	-14.9	42.6	12.2	16.4	2.4	19.6	7.0	15.6	10.1	14.8	7.6	17.6	3.9	19.6				

CCM.M-K5 and COOMET.M.M-K5 Nominal value 200 g
Degrees of equivalence [D_i and expanded uncertainty ($k = 2$) U_i]



Red diamonds: CCM.M-K5 participants (200 g-Jy standard)

Blue squares: COOMET.M.M-K5 participants (200 g « * » standard)

Green triangles: COOMET.M.M-K5 participants (200 g None standard)

Key comparison CCM.M-K5

NOMINAL VALUE : 50 g

TRANSFER STANDARD : Jx

Matrix of equivalence

Lab <i>i</i> ↓			Lab <i>j</i> →																			
	<i>D_i</i>	<i>U_i</i>	KRISS		NMIA		NMJ		NPLI		NIM		CENAM		INMETRO		NRC		NIST		VSL	
	/ μg		<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
KRISS	-2.8	5.3			-2.0	8.4	-7.5	6.9	-12.0	14.7	-5.0	9.2	-2.2	7.3	-4.1	30.0	-12.1	11.6	0.0	9.1	-13.6	7.7
NMIA	-0.8	7.8	2.0	8.4			-5.5	9.0	-10.0	15.8	-3.0	10.9	-0.2	9.3	-2.1	31.0	-10.1	12.9	2.0	10.8	-11.6	9.6
NMIJ	4.6	6.2	7.5	6.9	5.5	9.0			-4.5	15.1	2.5	9.8	5.3	8.0	3.4	31.0	-4.6	12.0	7.5	9.7	-6.2	8.3
NPLI	9.2	14.4	12.0	14.7	10.0	15.8	4.5	15.1			7.0	16.3	9.8	15.3	7.9	33.0	-0.1	17.7	12.0	16.2	-1.6	15.4
NIM	2.2	8.7	5.0	9.2	3.0	10.9	-2.5	9.8	-7.0	16.3			2.8	10.1	0.9	31.0	-7.1	13.5	5.0	11.4	-8.6	10.3
CENAM	-0.6	6.2	2.2	7.3	0.2	9.3	-5.3	8.0	-9.8	15.3	-2.8	10.1			-1.9	31.0	-9.9	12.0	2.2	9.6	-11.4	8.3
INMETRO	1.3	30.1	4.1	30.0	2.1	31.0	-3.4	31.0	-7.9	33.0	-0.9	31.0	1.9	31.0			-8.0	32.0	4.1	31.0	-9.5	31.0
NRC	9.3	10.9	12.1	11.6	10.1	12.9	4.6	12.0	0.1	17.7	7.1	13.5	9.9	12.0	8.0	32.0			12.1	13.2	-1.5	12.3
NIST	-2.8	8.2	0.0	9.1	-2.0	10.8	-7.5	9.7	-12.0	16.2	-5.0	11.4	-2.2	9.6	-4.1	31.0	-12.1	13.2			-13.6	9.9
VSL	10.8	6.6	13.6	7.7	11.6	9.6	6.2	8.3	1.6	15.4	8.6	10.3	11.4	8.3	9.5	31.0	1.5	12.3	13.6	9.9		
VNIIM	-47.2	14.3	-44.4	14.8	-46.4	15.9	-51.8	15.1	-56.4	20.0	-49.4	16.3	-46.6	15.1	-48.5	33.0	-56.5	17.6	-44.4	16.1	-58.0	15.3
GUM	0.8	22.2	3.6	22.5	1.6	23.2	-3.8	22.7	-8.4	26.2	-1.4	23.5	1.4	22.7	-0.5	37.0	-8.5	24.5	3.6	23.4	-10.0	22.8
INRIM	-1.8	4.9	1.0	6.2	-1.0	8.5	-6.4	7.0	-11.0	14.8	-4.0	9.3	-1.2	7.0	-3.1	30.0	-11.1	11.4	1.0	8.9	-12.6	7.3
METAS	9.4	4.4	12.2	5.8	10.2	8.2	4.8	6.7	0.2	14.6	7.2	9.1	10.0	6.7	8.1	30.0	0.1	11.2	12.2	8.6	-1.4	7.0
NPL	-3.7	4.7	-0.9	6.1	-2.9	8.3	-8.3	6.9	-12.9	14.7	-5.9	9.2	-3.1	6.9	-5.0	30.0	-13.0	11.3	-0.9	8.8	-14.5	7.3
PTB	-1.1	3.6	1.7	5.3	-0.3	7.8	-5.7	6.2	-10.3	14.4	-3.3	8.7	-0.5	6.2	-2.4	30.0	-10.4	10.9	1.7	8.2	-11.9	6.6
CEM	-1.7	5.0	1.1	6.3	-0.9	8.5	-6.3	7.1	-10.9	14.8	-3.9	9.4	-1.1	7.1	-3.0	30.0	-11.0	11.5	1.1	8.9	-12.5	7.5
LNE	0.0	9.6	2.8	10.3	0.8	11.8	-4.6	10.8	-9.2	16.9	-2.2	12.4	0.6	10.8	-1.3	31.0	-9.3	14.1	2.8	12.1	-10.8	11.1
SMU	5.3	6.4	8.1	7.5	6.1	9.5	0.7	8.2	-3.9	15.4	3.1	10.2	5.9	8.2	4.0	31.0	-4.0	12.2	8.1	9.8	-5.5	8.5

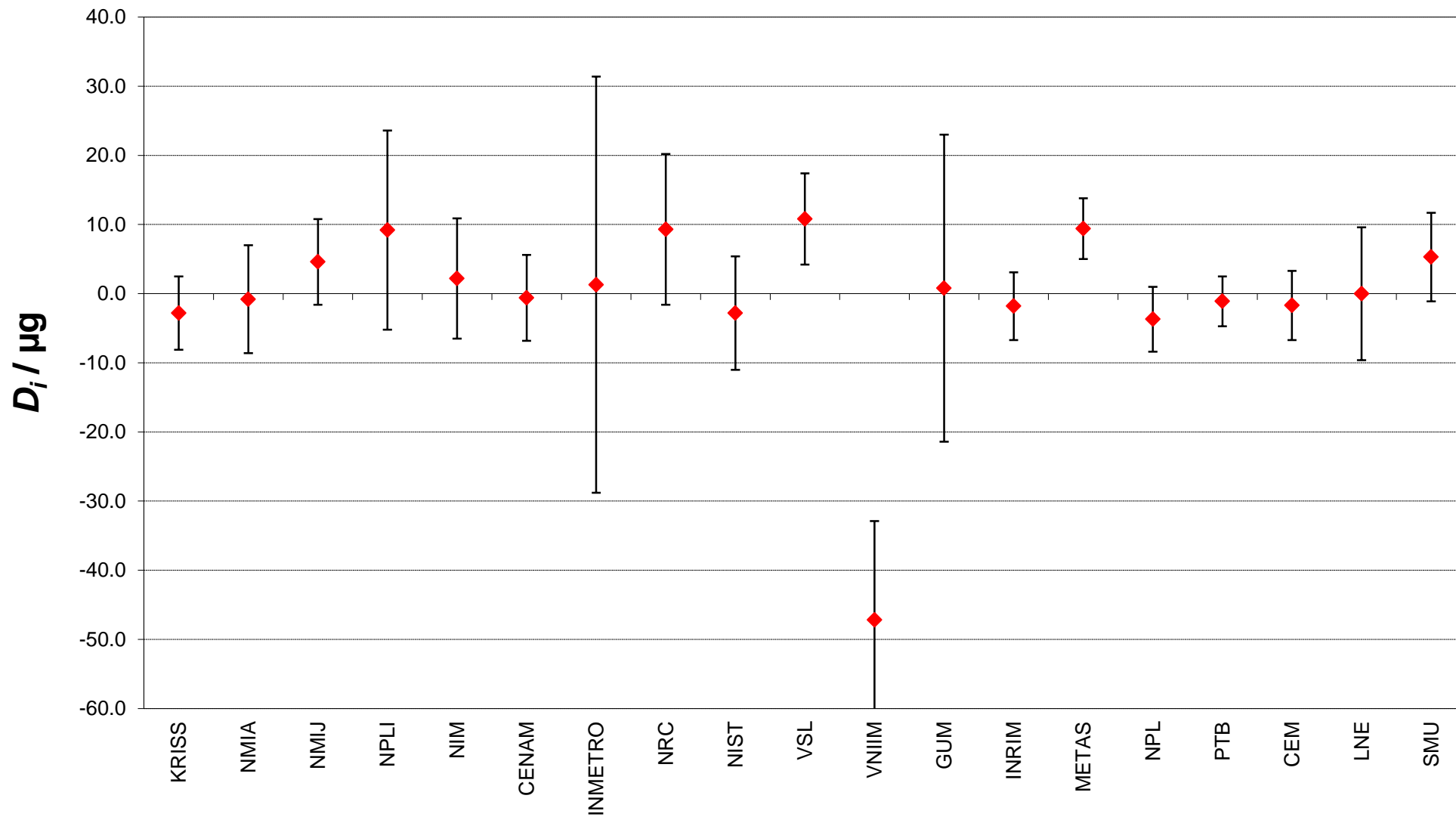
Key comparison CCM.M-K5

NOMINAL VALUE : 50 g
TRANSFER STANDARD : Jx

Matrix of equivalence (Continued)

Lab <i>i</i>			Lab <i>j</i>																	
	<i>D_i</i>	<i>U_i</i>	VNIIM		GUM		INRIM		METAS		NPL		PTB		CEM		LNE		SMU	
			<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>
KRISS	-2.8	5.3	44.4	14.8	-3.6	22.5	-1.0	6.2	-12.2	5.8	0.9	6.1	-1.7	5.3	-1.1	6.3	-2.8	10.3	-8.1	7.5
NMIA	-0.8	7.8	46.4	15.9	-1.6	23.2	1.0	8.5	-10.2	8.2	2.9	8.3	0.3	7.8	0.9	8.5	-0.8	11.8	-6.1	9.5
NMIJ	4.6	6.2	51.8	15.1	3.8	22.7	6.4	7.0	-4.8	6.7	8.3	6.9	5.7	6.2	6.3	7.1	4.6	10.8	-0.7	8.2
NPLI	9.2	14.4	56.4	20.0	8.4	26.2	11.0	14.8	-0.2	14.6	12.9	14.7	10.3	14.4	10.9	14.8	9.2	16.9	3.9	15.4
NIM	2.2	8.7	49.4	16.3	1.4	23.5	4.0	9.3	-7.2	9.1	5.9	9.2	3.3	8.7	3.9	9.4	2.2	12.4	-3.1	10.2
CENAM	-0.6	6.2	46.6	15.1	-1.4	22.7	1.2	7.0	-10.0	6.7	3.1	6.9	0.5	6.2	1.1	7.1	-0.6	10.8	-5.9	8.2
INMETRO	1.3	30.1	48.5	33.0	0.5	37.0	3.1	30.0	-8.1	30.0	5.0	30.0	2.4	30.0	3.0	30.0	1.3	31.0	-4.0	31.0
NRC	9.3	10.9	56.5	17.6	8.5	24.5	11.1	11.4	-0.1	11.2	13.0	11.3	10.4	10.9	11.0	11.5	9.3	14.1	4.0	12.2
NIST	-2.8	8.2	44.4	16.1	-3.6	23.4	-1.0	8.9	-12.2	8.6	0.9	8.8	-1.7	8.2	-1.1	8.9	-2.8	12.1	-8.1	9.8
VSL	10.8	6.6	58.0	15.3	10.0	22.8	12.6	7.3	1.4	7.0	14.5	7.3	11.9	6.6	12.5	7.5	10.8	11.1	5.5	8.5
VNIIM	-47.2	14.3			-48.0	26.1	-45.4	14.6	-56.6	14.5	-43.5	14.6	-46.1	14.3	-45.5	14.7	-47.2	16.8	-52.5	15.3
GUM	0.8	22.2	48.0	26.1			2.6	22.4	-8.6	22.3	4.5	22.4	1.9	22.2	2.5	22.4	0.8	23.9	-4.5	22.8
INRIM	-1.8	4.9	45.4	14.6	-2.6	22.4			-11.2	5.4	1.9	5.7	-0.7	4.9	-0.1	6.0	-1.8	10.1	-7.1	7.3
METAS	9.4	4.4	56.6	14.5	8.6	22.3	11.2	5.4			13.1	5.3	10.5	4.4	11.1	5.6	9.4	9.9	4.1	6.9
NPL	-3.7	4.7	43.5	14.6	-4.5	22.4	-1.9	5.7	-13.1	5.3			-2.6	4.2	-2.0	5.5	-3.7	9.8	-9.0	6.8
PTB	-1.1	3.6	46.1	14.3	-1.9	22.2	0.7	4.9	-10.5	4.4	2.6	4.2			0.6	4.6	-1.1	9.4	-6.4	6.1
CEM	-1.7	5.0	45.5	14.7	-2.5	22.4	0.1	6.0	-11.1	5.6	2.0	5.5	-0.6	4.6			-1.7	10.0	-7.0	7.0
LNE	0.0	9.6	47.2	16.8	-0.8	23.9	1.8	10.1	-9.4	9.9	3.7	9.8	1.1	9.4	1.7	10.0			-5.3	10.8
SMU	5.3	6.4	52.5	15.3	4.5	22.8	7.1	7.3	-4.1	6.9	9.0	6.8	6.4	6.1	7.0	7.0	5.3	10.8		

CCM.M-K5 Nominal value 50 g (Standard Jx)
Degrees of equivalence [D_i and expanded uncertainty ($k = 2$) U_i]



Key comparison CCM.M-K5

NOMINAL VALUE : 50 g

TRANSFER STANDARD : Jy

Matrix of equivalence

Lab <i>i</i> ↓			Lab <i>j</i> →																			
	<i>D_i</i>	<i>U_i</i>	KRISS		NMIA		NMJ		NPLI		NIM		CENAM		INMETRO		NRC		NIST		VSL	
	<i>D_i</i>	<i>U_i</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
	/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg	
KRISS	-4.3	4.7																				
NMIA	-2.3	7.4	2.0	8.2																		
NMIJ	1.0	5.8	5.3	6.7	3.3	8.8																
NPLI	-0.3	14.2	4.0	14.6	2.0	15.7	-1.3	15.0														
NIM	2.7	8.4	7.0	9.1	5.0	10.7	1.7	9.6	3.0	16.2												
CENAM	1.9	6.1	6.3	7.1	4.3	9.1	1.0	7.8	2.3	15.2	-0.7	9.9										
INMETRO	2.9	30.1	7.3	30.0	5.3	31.0	2.0	30.0	3.3	33.0	0.3	31.0	1.0	31.0								
NRC	5.3	11.2	9.7	11.8	7.7	13.2	4.4	12.3	5.7	17.9	2.7	13.7	3.4	12.4	2.4	32.0						
NIST	-2.3	8.1	2.1	9.0	0.1	10.6	-3.2	9.5	-1.9	16.1	-4.9	11.3	-4.2	9.7	-5.2	31.0	-7.6	13.5				
VSL	8.7	6.9	13.0	7.8	11.0	9.7	7.7	8.5	9.0	15.5	6.0	10.5	6.8	8.7	5.8	31.0	3.4	12.9	11.0	10.3		
VNIIM	-48.3	14.4	-44.0	14.9	-46.0	16.0	-49.3	15.2	-48.0	20.0	-51.0	16.4	-50.2	15.4	-51.2	33.0	-53.6	18.0	-46.0	16.3	-57.0	15.5
GUM	-2.3	22.3	2.0	22.6	0.0	23.3	-3.3	22.8	-2.0	26.3	-5.0	23.6	-4.2	22.9	-5.2	37.0	-7.6	24.8	0.0	23.5	-11.0	23.0
INRIM	0.0	5.2	4.3	6.4	2.3	8.6	-1.0	7.2	0.3	14.9	-2.7	9.5	-1.9	7.5	-2.9	30.0	-5.3	12.1	2.3	9.2	-8.7	7.7
METAS	12.4	4.8	16.7	6.1	14.7	8.4	11.4	6.9	12.7	14.7	9.7	9.2	10.5	7.2	9.5	30.0	7.1	11.9	14.7	9.0	3.7	7.4
NPL	-1.5	4.5	2.8	5.8	0.8	8.2	-2.5	6.7	-1.2	14.6	-4.2	9.0	-3.5	6.9	-4.5	30.0	-6.9	11.7	0.7	8.8	-10.2	7.7
PTB	-1.7	3.3	2.6	5.0	0.6	7.6	-2.7	6.0	-1.4	14.3	-4.4	8.5	-3.7	6.2	-4.7	30.0	-7.1	11.3	0.5	8.3	-10.4	7.1
CEM	-0.5	4.6	3.8	5.9	1.8	8.3	-1.5	6.8	-0.2	14.7	-3.2	9.1	-2.5	7.0	-3.5	30.0	-5.9	11.8	1.7	8.9	-9.2	7.8
LNE	0.8	9.4	5.1	10.2	3.1	11.7	-0.2	10.7	1.1	16.8	-1.9	12.3	-1.2	10.8	-2.2	31.0	-4.6	14.4	3.0	12.1	-7.9	11.3
SMU	3.5	6.3	7.8	7.3	5.8	9.3	2.5	8.0	3.8	15.3	0.8	10.1	1.5	8.2	0.5	31.0	-1.9	12.5	5.7	9.9	-5.2	8.9

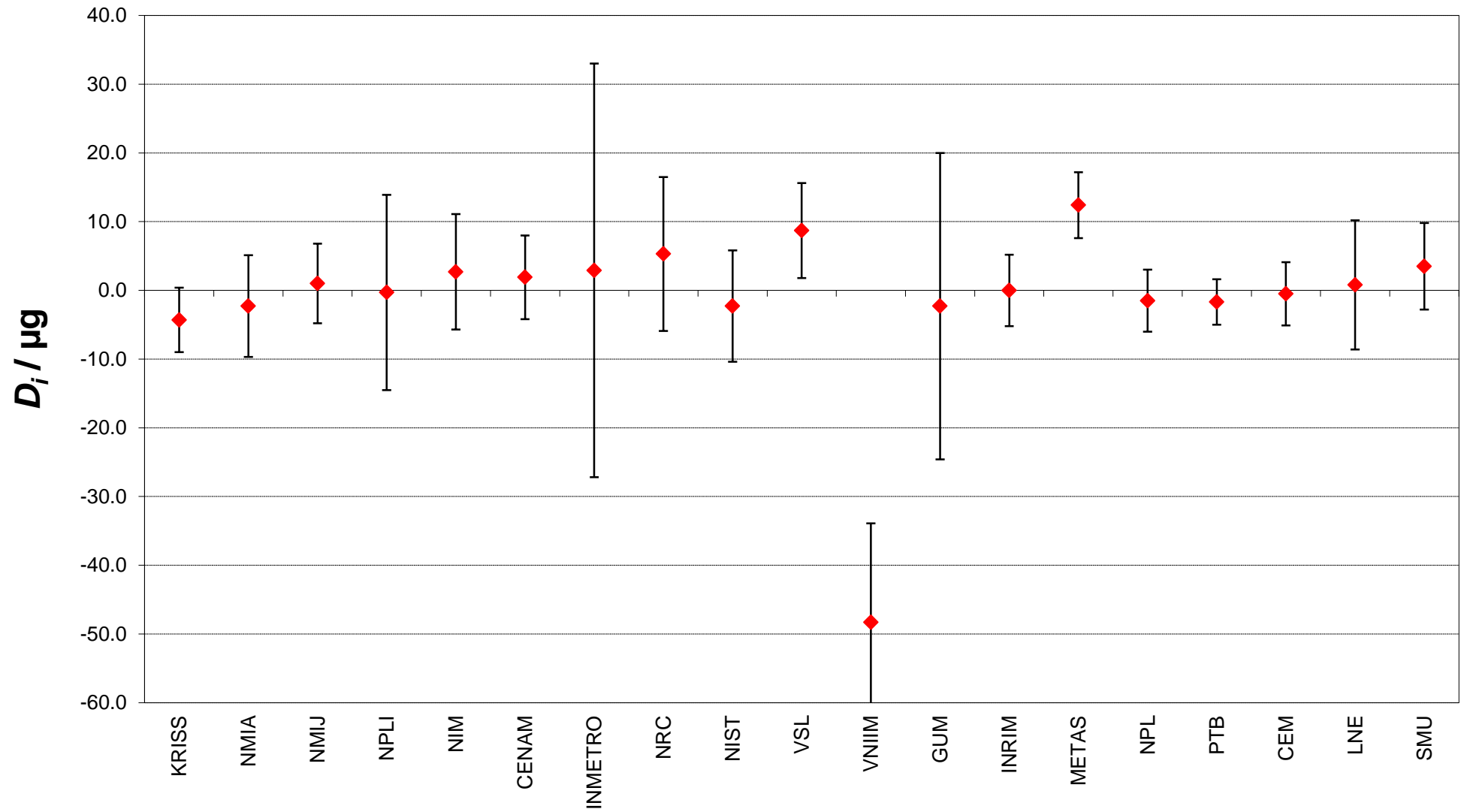
Key comparison CCM.M-K5

NOMINAL VALUE : 50 g
TRANSFER STANDARD : Jy

Matrix of equivalence (Continued)

Lab <i>i</i> ↓			Lab <i>j</i> →																	
	<i>D_i</i>	<i>U_i</i>	VNIIM		GUM		INRIM		METAS		NPL		PTB		CEM		LNE		SMU	
	/ μg		<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
KRISS	-4.3	4.7	44.0	14.9	-2.0	22.6	-4.3	6.4	-16.7	6.1	-2.8	5.8	-2.6	5.0	-3.8	5.9	-5.1	10.2	-7.8	7.3
NMIA	-2.3	7.4	46.0	16.0	0.0	23.3	-2.3	8.6	-14.7	8.4	-0.8	8.2	-0.6	7.6	-1.8	8.3	-3.1	11.7	-5.8	9.3
NMIJ	1.0	5.8	49.3	15.2	3.3	22.8	1.0	7.2	-11.4	6.9	2.5	6.7	2.7	6.0	1.5	6.8	0.2	10.7	-2.5	8.0
NPLI	-0.3	14.2	48.0	20.0	2.0	26.3	-0.3	14.9	-12.7	14.7	1.2	14.6	1.4	14.3	0.2	14.7	-1.1	16.8	-3.8	15.3
NIM	2.7	8.4	51.0	16.4	5.0	23.6	2.7	9.5	-9.7	9.2	4.2	9.0	4.4	8.5	3.2	9.1	1.9	12.3	-0.8	10.1
CENAM	1.9	6.1	50.2	15.4	4.2	22.9	1.9	7.5	-10.5	7.2	3.5	6.9	3.7	6.2	2.5	7.0	1.2	10.8	-1.5	8.2
INMETRO	2.9	30.1	51.2	33.0	5.2	37.0	2.9	30.0	-9.5	30.0	4.5	30.0	4.7	30.0	3.5	30.0	2.2	31.0	-0.5	31.0
NRC	5.3	11.2	53.6	18.0	7.6	24.8	5.3	12.1	-7.1	11.9	6.9	11.7	7.1	11.3	5.9	11.8	4.6	14.4	1.9	12.5
NIST	-2.3	8.1	46.0	16.3	0.0	23.5	-2.3	9.2	-14.7	9.0	-0.7	8.8	-0.5	8.3	-1.7	8.9	-3.0	12.1	-5.7	9.9
VSL	8.7	6.9	57.0	15.5	11.0	23.0	8.7	7.7	-3.7	7.4	10.2	7.7	10.4	7.1	9.2	7.8	7.9	11.3	5.2	8.9
VNIIM	-48.3	14.4			-46.0	26.2	-48.3	14.8	-60.7	14.7	-46.8	14.8	-46.6	14.5	-47.8	14.8	-49.1	17.0	-51.8	15.4
GUM	-2.3	22.3	46.0	26.2			-2.3	22.5	-14.7	22.4	-0.8	22.5	-0.6	22.3	-1.8	22.5	-3.1	24.0	-5.8	22.9
INRIM	0.0	5.2	48.3	14.8	2.3	22.5			-12.4	5.9	1.5	6.2	1.7	5.5	0.5	6.3	-0.8	10.4	-3.5	7.7
METAS	12.4	4.8	60.7	14.7	14.7	22.4	12.4	5.9			13.9	5.9	14.1	5.0	12.9	6.0	11.6	10.2	8.9	7.4
NPL	-1.5	4.5	46.8	14.8	0.8	22.5	-1.5	6.2	-13.9	5.9			0.2	4.3	-1.0	5.3	-2.3	9.8	-5.0	6.8
PTB	-1.7	3.3	46.6	14.5	0.6	22.3	-1.7	5.5	-14.1	5.0	-0.2	4.3			-1.2	4.4	-2.5	9.4	-5.2	6.2
CEM	-0.5	4.6	47.8	14.8	1.8	22.5	-0.5	6.3	-12.9	6.0	1.0	5.3	1.2	4.4			-1.3	9.9	-4.0	7.0
LNE	0.8	9.4	49.1	17.0	3.1	24.0	0.8	10.4	-11.6	10.2	2.3	9.8	2.5	9.4	1.3	9.9			-2.7	10.8
SMU	3.5	6.3	51.8	15.4	5.8	22.9	3.5	7.7	-8.9	7.4	5.0	6.8	5.2	6.2	4.0	7.0	2.7	10.8		

CCM.M-K5 **Nominal value 50 g (Standard Jy)**
Degrees of equivalence [D_i and expanded uncertainty ($k = 2$) U_i]



Key comparison CCM.M-K5

NOMINAL VALUE : 1 g

TRANSFER STANDARD : Jx

Matrix of equivalence

Lab <i>i</i> ↓			Lab <i>j</i> →																			
	<i>D_i</i>	<i>U_i</i>	KRISS		NMIA		NMJ		NPLI		NIM		CENAM		INMETRO		NRC		NIST		VSL	
	<i>D_i</i>	<i>U_i</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
	/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg	
KRISS	0.20	1.05			0.20	1.15	0.19	1.30	-0.90	2.17	0.20	1.63	0.75	1.69	-0.65	1.52	-0.85	1.77	0.92	1.72	1.09	2.21
NMIA	0.00	1.18	-0.20	1.15			-0.01	1.40	-1.10	2.23	0.00	1.71	0.55	1.77	-0.85	1.61	-1.05	1.85	0.72	1.80	0.89	2.27
NMIJ	0.01	1.32	-0.19	1.30	0.01	1.40			-1.09	2.31	0.01	1.81	0.57	1.87	-0.83	1.72	-1.03	1.94	0.74	1.90	0.91	2.35
NPLI	1.10	2.18	0.90	2.17	1.10	2.23	1.09	2.31			1.10	2.51	1.65	2.55	0.25	2.44	0.05	2.60	1.82	2.57	1.99	2.92
NIM	0.00	1.65	-0.20	1.63	0.00	1.71	-0.01	1.81	-1.10	2.51			0.55	2.11	-0.85	1.98	-1.05	2.18	0.72	2.13	0.89	2.55
CENAM	-0.55	1.60	-0.75	1.69	-0.55	1.77	-0.57	1.87	-1.65	2.55	-0.55	2.11			-1.40	1.90	-1.60	2.10	0.17	2.06	0.34	2.52
INMETRO	0.85	1.43	0.65	1.52	0.85	1.61	0.83	1.72	-0.25	2.44	0.85	1.98	1.40	1.90			-0.20	1.97	1.57	1.93	1.74	2.41
NRC	1.05	1.69	0.85	1.77	1.05	1.85	1.03	1.94	-0.05	2.60	1.05	2.18	1.60	2.10	0.20	1.97			1.77	2.13	1.94	2.58
NIST	-0.72	1.64	-0.92	1.72	-0.72	1.80	-0.74	1.90	-1.82	2.57	-0.72	2.13	-0.17	2.06	-1.57	1.93	-1.77	2.13			0.17	2.54
VSL	-0.89	2.15	-1.09	2.21	-0.89	2.27	-0.91	2.35	-1.99	2.92	-0.89	2.55	-0.34	2.52	-1.74	2.41	-1.94	2.58	-0.17	2.54		
VNIIM	-2.29	1.78	-2.49	1.86	-2.29	1.93	-2.31	2.02	-3.39	2.66	-2.29	2.25	-1.74	2.22	-3.14	2.09	-3.34	2.28	-1.57	2.24	-1.40	2.60
GUM	0.11	2.15	-0.09	2.21	0.11	2.27	0.09	2.35	-0.99	2.92	0.11	2.55	0.66	2.52	-0.74	2.41	-0.94	2.58	0.83	2.54	1.00	2.86
INRIM	-1.49	1.27	-1.69	1.37	-1.49	1.47	-1.51	1.59	-2.59	2.35	-1.49	1.87	-0.94	1.83	-2.34	1.68	-2.54	1.91	-0.77	1.86	-0.60	2.28
METAS	-0.40	1.66	-0.60	1.74	-0.40	1.82	-0.42	1.91	-1.50	2.58	-0.40	2.15	0.15	2.12	-1.25	1.99	-1.45	2.18	0.32	2.14	0.49	2.52
NPL	-0.65	1.23	-0.85	1.34	-0.65	1.44	-0.66	1.56	-1.75	2.33	-0.65	1.84	-0.10	1.80	-1.50	1.65	-1.70	1.88	0.07	1.83	0.24	2.30
PTB	0.75	1.23	0.55	1.34	0.75	1.44	0.74	1.56	-0.35	2.33	0.75	1.84	1.30	1.80	-0.10	1.65	-0.30	1.88	1.47	1.83	1.64	2.30
CEM	-0.05	1.55	-0.25	1.63	-0.05	1.72	-0.06	1.82	-1.15	2.51	-0.05	2.06	0.50	2.03	-0.90	1.90	-1.10	2.10	0.67	2.06	0.84	2.48
LNE	1.65	2.31	1.45	2.37	1.65	2.43	1.64	2.50	0.55	3.04	1.65	2.69	2.20	2.66	0.80	2.56	0.60	2.72	2.37	2.68	2.54	3.02
SMU	1.45	1.98	1.25	2.05	1.45	2.11	1.44	2.20	0.35	2.80	1.45	2.40	2.00	2.38	0.60	2.26	0.40	2.44	2.17	2.40	2.34	2.77

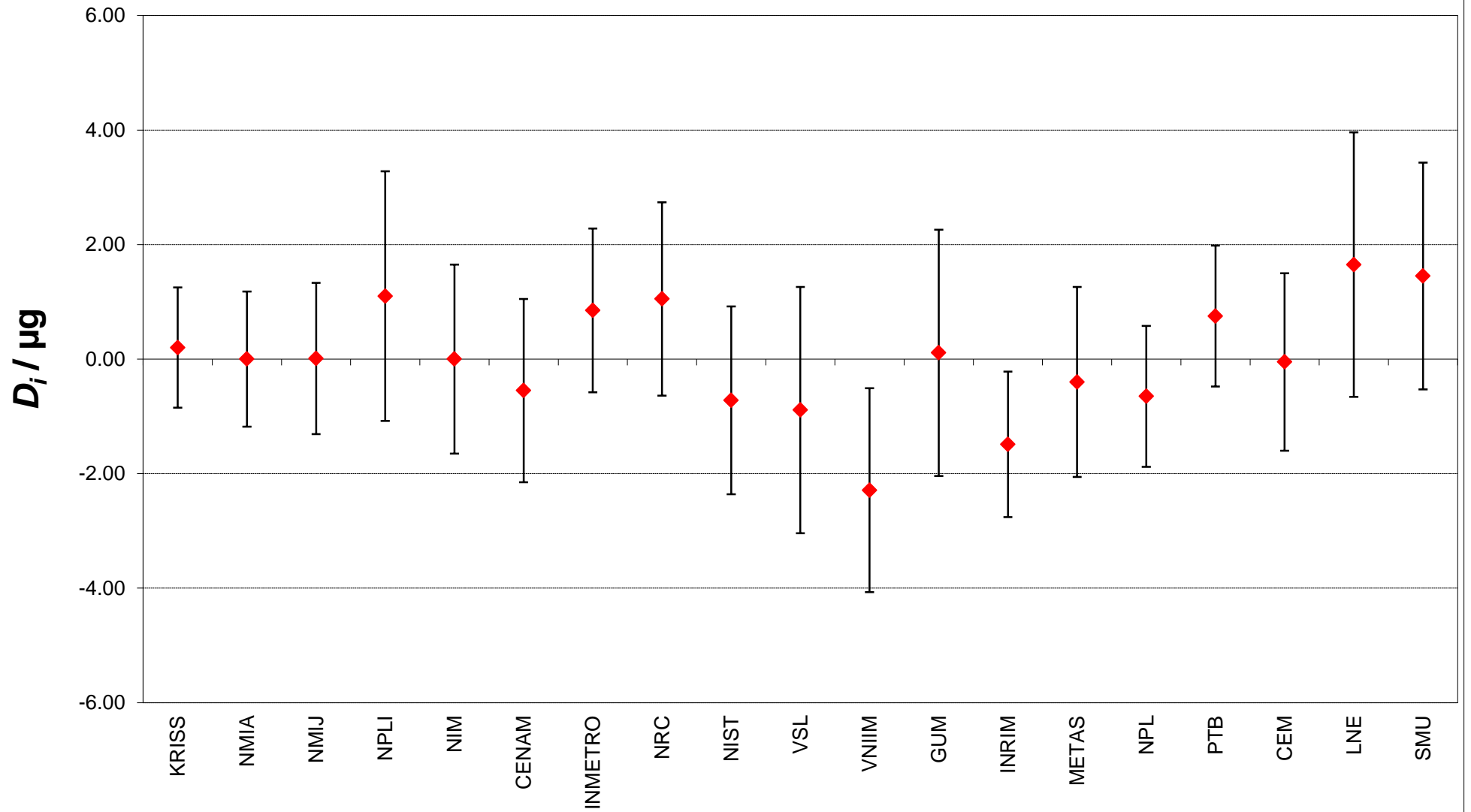
Key comparison CCM.M-K5

NOMINAL VALUE : 1 g
TRANSFER STANDARD : Jx

Matrix of equivalence (Continued)

Lab <i>i</i> ↓			Lab <i>j</i> →																	
	<i>D_i</i>	<i>U_i</i>	VNIIM		GUM		INRIM		METAS		NPL		PTB		CEM		LNE		SMU	
	/ μg		<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
KRISS	0.20	1.05	2.49	1.86	0.09	2.21	1.69	1.37	0.60	1.74	0.85	1.34	-0.55	1.34	0.25	1.63	-1.45	2.37	-1.25	2.05
NMIA	0.00	1.18	2.29	1.93	-0.11	2.27	1.49	1.47	0.40	1.82	0.65	1.44	-0.75	1.44	0.05	1.72	-1.65	2.43	-1.45	2.11
NMIJ	0.01	1.32	2.31	2.02	-0.09	2.35	1.51	1.59	0.42	1.91	0.66	1.56	-0.74	1.56	0.06	1.82	-1.64	2.50	-1.44	2.20
NPLI	1.10	2.18	3.39	2.66	0.99	2.92	2.59	2.35	1.50	2.58	1.75	2.33	0.35	2.33	1.15	2.51	-0.55	3.04	-0.35	2.80
NIM	0.00	1.65	2.29	2.25	-0.11	2.55	1.49	1.87	0.40	2.15	0.65	1.84	-0.75	1.84	0.05	2.06	-1.65	2.69	-1.45	2.40
CENAM	-0.55	1.60	1.74	2.22	-0.66	2.52	0.94	1.83	-0.15	2.12	0.10	1.80	-1.30	1.80	-0.50	2.03	-2.20	2.66	-2.00	2.38
INMETRO	0.85	1.43	3.14	2.09	0.74	2.41	2.34	1.68	1.25	1.99	1.50	1.65	0.10	1.65	0.90	1.90	-0.80	2.56	-0.60	2.26
NRC	1.05	1.69	3.34	2.28	0.94	2.58	2.54	1.91	1.45	2.18	1.70	1.88	0.30	1.88	1.10	2.10	-0.60	2.72	-0.40	2.44
NIST	-0.72	1.64	1.57	2.24	-0.83	2.54	0.77	1.86	-0.32	2.14	-0.07	1.83	-1.47	1.83	-0.67	2.06	-2.37	2.68	-2.17	2.40
VSL	-0.89	2.15	1.40	2.60	-1.00	2.86	0.60	2.28	-0.49	2.52	-0.24	2.30	-1.64	2.30	-0.84	2.48	-2.54	3.02	-2.34	2.77
VNIIM	-2.29	1.78			-2.40	2.60	-0.80	1.94	-1.89	2.21	-1.64	1.96	-3.04	1.96	-2.24	2.17	-3.94	2.77	-3.74	2.50
GUM	0.11	2.15	2.40	2.60			1.60	2.28	0.51	2.52	0.76	2.30	-0.64	2.30	0.16	2.48	-1.54	3.02	-1.34	2.77
INRIM	-1.49	1.27	0.80	1.94	-1.60	2.28			-1.09	1.82	-0.84	1.51	-2.24	1.51	-1.44	1.78	-3.14	2.48	-2.94	2.16
METAS	-0.40	1.66	1.89	2.21	-0.51	2.52	1.09	1.82			0.25	1.85	-1.15	1.85	-0.35	2.07	-2.05	2.69	-1.85	2.41
NPL	-0.65	1.23	1.64	1.96	-0.76	2.30	0.84	1.51	-0.25	1.85			-1.40	1.12	-0.60	1.46	-2.30	2.26	-2.10	1.91
PTB	0.75	1.23	3.04	1.96	0.64	2.30	2.24	1.51	1.15	1.85	1.40	1.12			0.80	1.46	-0.90	2.26	-0.70	1.91
CEM	-0.05	1.55	2.24	2.17	-0.16	2.48	1.44	1.78	0.35	2.07	0.60	1.46	-0.80	1.46			-1.70	2.44	-1.50	2.13
LNE	1.65	2.31	3.94	2.77	1.54	3.02	3.14	2.48	2.05	2.69	2.30	2.26	0.90	2.26	1.70	2.44			0.20	2.74
SMU	1.45	1.98	3.74	2.50	1.34	2.77	2.94	2.16	1.85	2.41	2.10	1.91	0.70	1.91	1.50	2.13	-0.20	2.74		

CCM.M-K5 Nominal value 1 g (Standard Jx)
Degrees of equivalence [D_i and expanded uncertainty ($k = 2$) U_i]



Key comparisons CCM.M-K5 and COOMET.M.M-K5

Matrix of equivalence

NOMINAL VALUE : 1 g

TRANSFER STANDARD : 1 g-Jy for CCM.M-K5, and 1 g « C » and 1 g « K » for COOMET.M.M-K5

Lab <i>i</i> ↓	<i>D_i</i> <i>U_i</i> / μg		Lab <i>j</i> →																			
	<i>D_{ij}</i> / μg	<i>U_{ij}</i> / μg	<i>D_{ij}</i> / μg	<i>U_{ij}</i> / μg	<i>D_{ij}</i> / μg	<i>U_{ij}</i> / μg	<i>D_{ij}</i> / μg	<i>U_{ij}</i> / μg	<i>D_{ij}</i> / μg	<i>U_{ij}</i> / μg	<i>D_{ij}</i> / μg	<i>U_{ij}</i> / μg	<i>D_{ij}</i> / μg	<i>U_{ij}</i> / μg	<i>D_{ij}</i> / μg	<i>U_{ij}</i> / μg	<i>D_{ij}</i> / μg	<i>U_{ij}</i> / μg				
KRISS	0.00	1.42																				
NMIA	-0.10	1.52	-0.10	1.56																		
NMIJ	0.61	1.63	0.61	1.67	0.71	1.75																
NPLI	1.60	2.38	1.60	2.40	1.70	2.46	0.99	2.53														
NIM	0.00	1.90	0.00	1.93	0.10	2.00	-0.61	2.09	-1.60	2.72												
CENAM	-0.78	1.76	-0.78	2.15	-0.68	2.22	-1.38	2.30	-2.38	2.88	-0.78	2.50										
INMETRO	0.42	1.61	0.42	2.03	0.52	2.10	-0.18	2.18	-1.18	2.78	0.42	2.39	1.20	2.07								
NRC	0.40	1.76	0.40	2.15	0.50	2.22	-0.20	2.30	-1.20	2.88	0.40	2.50	1.18	2.19	-0.02	2.07						
NIST	-0.69	1.79	-0.69	2.18	-0.59	2.24	-1.29	2.32	-2.29	2.90	-0.69	2.52	0.09	2.22	-1.11	2.10	-1.09	2.22				
VSL	-0.56	2.29	-0.56	2.61	-0.46	2.66	-1.16	2.73	-2.16	3.23	-0.56	2.90	0.22	2.80	-0.98	2.71	-0.96	2.80	0.13	2.82		
VNIIM	-1.56	1.95	-1.56	2.31	-1.46	2.37	-2.16	2.45	-3.16	3.00	-1.56	2.64	-0.78	2.53	-1.98	2.43	-1.96	2.53	-0.87	2.56	-1.00	2.75
GUM	-0.56	2.29	-0.56	2.61	-0.46	2.66	-1.16	2.73	-2.16	3.23	-0.56	2.90	0.22	2.80	-0.98	2.71	-0.96	2.80	0.13	2.82	0.00	3.00
INRIM	-1.56	1.50	-1.56	1.95	-1.46	2.02	-2.16	2.10	-3.16	2.73	-1.56	2.32	-0.78	2.21	-1.98	2.08	-1.96	2.21	-0.87	2.23	-1.00	2.45
METAS	-0.26	1.84	-0.26	2.22	-0.16	2.28	-0.86	2.36	-1.86	2.93	-0.26	2.55	0.52	2.45	-0.68	2.34	-0.66	2.45	0.43	2.47	0.30	2.67
NPL	-1.06	1.37	-1.06	1.85	-0.96	1.92	-1.67	2.02	-2.66	2.66	-1.06	2.24	-0.29	2.12	-1.49	1.99	-1.47	2.12	-0.38	2.15	-0.51	2.58
PTB	0.24	1.37	0.24	1.85	0.34	1.92	-0.37	2.02	-1.36	2.66	0.24	2.24	1.01	2.12	-0.19	1.99	-0.17	2.12	0.92	2.15	0.79	2.58
CEM	0.19	1.68	0.19	2.08	0.29	2.15	-0.42	2.23	-1.41	2.83	0.19	2.44	0.96	2.33	-0.24	2.21	-0.22	2.33	0.87	2.35	0.74	2.75
LNE	0.14	2.07	0.14	2.41	0.24	2.47	-0.47	2.54	-1.46	3.08	0.14	2.72	0.91	2.63	-0.29	2.53	-0.27	2.63	0.82	2.65	0.69	3.01
SMU	0.94	2.07	0.94	2.41	1.04	2.47	0.33	2.54	-0.66	3.08	0.94	2.72	1.71	2.63	0.51	2.53	0.53	2.63	1.62	2.65	1.49	3.01

BelGIM	1.5	4.2
KazInMetr	-1.2	2.8
NSC IM	-1.5	4.2
BelGIM	1.0	4.2
KazInMetr	-0.8	2.8
NSC IM	-1.0	4.2

Values for standard 1 g « C »
Values for standard 1 g « K »

Key comparisons CCM.M-K5 and COOMET.M.M-K5

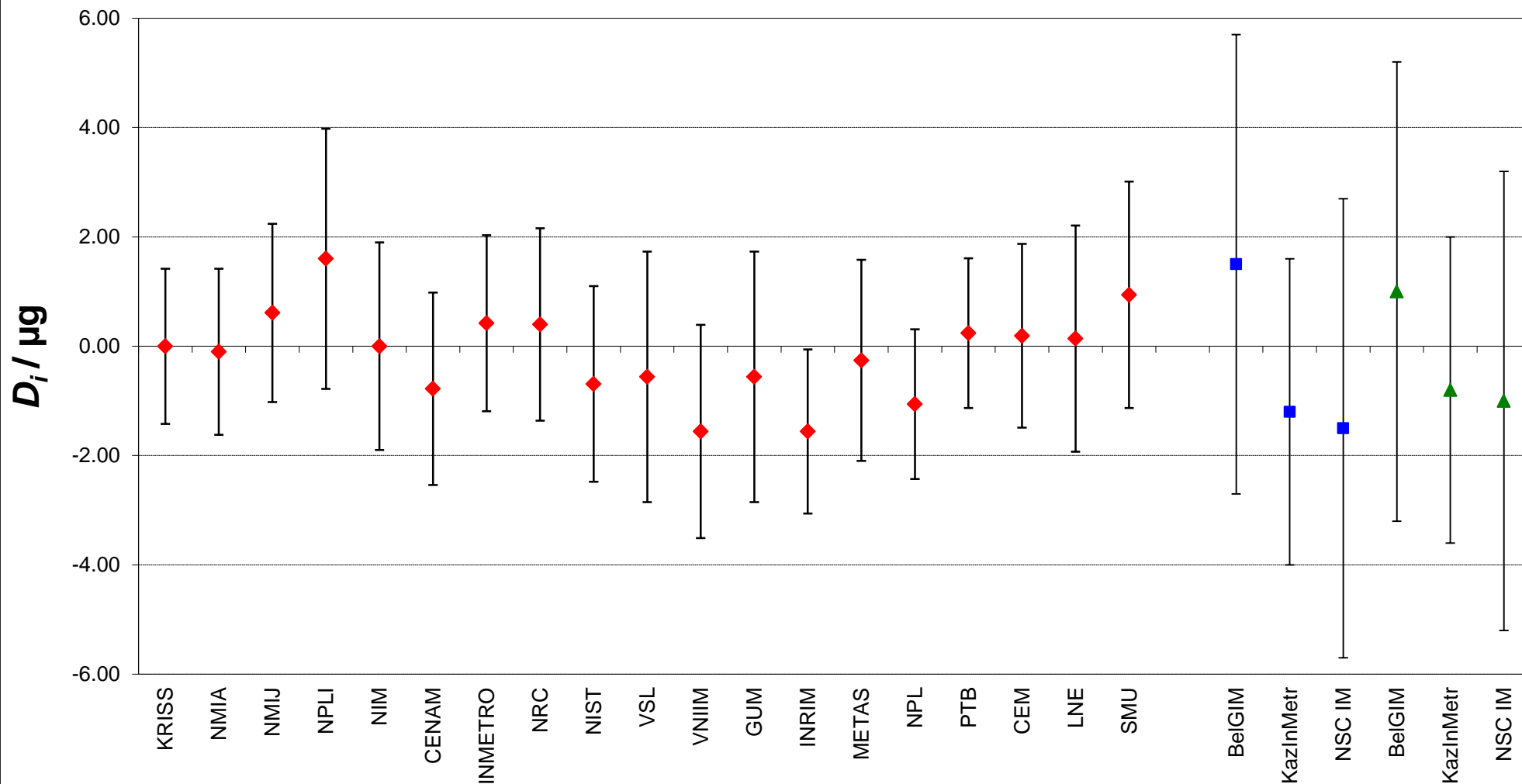
Matrix of equivalence

NOMINAL VALUE : 1 g

TRANSFER STANDARD : 1 g-Jy for CCM.M-K5, and 1 g « C » and 1 g « K » for COOMET.M.M-K5

Lab <i>i</i>			Lab <i>j</i>																	
	<i>D_i</i>	<i>U_i</i>	VNIIM		GUM		INRIM		METAS		NPL		PTB		CEM		LNE		SMU	
			<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
	<i>/ μg</i>	<i>/ μg</i>	<i>/ μg</i>		<i>/ μg</i>		<i>/ μg</i>		<i>/ μg</i>		<i>/ μg</i>		<i>/ μg</i>		<i>/ μg</i>		<i>/ μg</i>		<i>/ μg</i>	
KRISS	0.00	1.42	1.56	2.31	0.56	2.61	1.56	1.95	0.26	2.22	1.06	1.85	-0.24	1.85	-0.19	2.08	-0.14	2.41	-0.94	2.41
NMIA	-0.10	1.52	1.46	2.37	0.46	2.66	1.46	2.02	0.16	2.28	0.96	1.92	-0.34	1.92	-0.29	2.15	-0.24	2.47	-1.04	2.47
NMIJ	0.61	1.63	2.16	2.45	1.16	2.73	2.16	2.10	0.86	2.36	1.67	2.02	0.37	2.02	0.42	2.23	0.47	2.54	-0.33	2.54
NPLI	1.60	2.38	3.16	3.00	2.16	3.23	3.16	2.73	1.86	2.93	2.66	2.66	1.36	2.66	1.41	2.83	1.46	3.08	0.66	3.08
NIM	0.00	1.90	1.56	2.64	0.56	2.90	1.56	2.32	0.26	2.55	1.06	2.24	-0.24	2.24	-0.19	2.44	-0.14	2.72	-0.94	2.72
CENAM	-0.78	1.76	0.78	2.53	-0.22	2.80	0.78	2.21	-0.52	2.45	0.29	2.12	-1.01	2.12	-0.96	2.33	-0.91	2.63	-1.71	2.63
INMETRO	0.42	1.61	1.98	2.43	0.98	2.71	1.98	2.08	0.68	2.34	1.49	1.99	0.19	1.99	0.24	2.21	0.29	2.53	-0.51	2.53
NRC	0.40	1.76	1.96	2.53	0.96	2.80	1.96	2.21	0.66	2.45	1.47	2.12	0.17	2.12	0.22	2.33	0.27	2.63	-0.53	2.63
NIST	-0.69	1.79	0.87	2.56	-0.13	2.82	0.87	2.23	-0.43	2.47	0.38	2.15	-0.92	2.15	-0.87	2.35	-0.82	2.65	-1.62	2.65
VSL	-0.56	2.29	1.00	2.75	0.00	3.00	1.00	2.45	-0.30	2.67	0.51	2.58	-0.79	2.58	-0.74	2.75	-0.69	3.01	-1.49	3.01
VNIIM	-1.56	1.95			-1.00	2.75	0.00	2.14	-1.30	2.39	-0.49	2.28	-1.79	2.28	-1.74	2.48	-1.69	2.76	-2.49	2.76
GUM	-0.56	2.29	1.00	2.75			1.00	2.45	-0.30	2.67	0.51	2.58	-0.79	2.58	-0.74	2.75	-0.69	3.01	-1.49	3.01
INRIM	-1.56	1.50	0.00	2.14	-1.00	2.45			-1.30	2.04	-0.49	1.91	-1.79	1.91	-1.74	2.14	-1.69	2.46	-2.49	2.46
METAS	-0.26	1.84	1.30	2.39	0.30	2.67	1.30	2.04			0.81	2.19	-0.49	2.19	-0.44	2.39	-0.39	2.68	-1.19	2.68
NPL	-1.06	1.37	0.49	2.28	-0.51	2.58	0.49	1.91	-0.81	2.19			-1.30	1.34	-1.25	1.65	-1.20	2.05	-2.00	2.05
PTB	0.24	1.37	1.79	2.28	0.79	2.58	1.79	1.91	0.49	2.19	1.30	1.34			0.05	1.65	0.10	2.05	-0.70	2.05
CEM	0.19	1.68	1.74	2.48	0.74	2.75	1.74	2.14	0.44	2.39	1.25	1.65	-0.05	1.65			0.05	2.26	-0.75	2.26
LNE	0.14	2.07	1.69	2.76	0.69	3.01	1.69	2.46	0.39	2.68	1.20	2.05	-0.10	2.05	-0.05	2.26			-0.80	2.57
SMU	0.94	2.07	2.49	2.76	1.49	3.01	2.49	2.46	1.19	2.68	2.00	2.05	0.70	2.05	0.75	2.26	0.80	2.57		

CCM.M-K5 and COOMET.M.M-K5 Nominal value 1 g
Degrees of equivalence [D_i and expanded uncertainty ($k = 2$) U_i]



Red diamonds: CCM.M-K5 participants (1 g-Jy standard)
Blue squares: COOMET.M.M-K5 participants (1 g « C » standard)
Green triangles: COOMET.M.M-K5 participants (1 g « K » standard)

Key comparison CCM.M-K5

NOMINAL VALUE : 200 mg
TRANSFER STANDARD : Jx

Matrix of equivalence

Lab <i>i</i> ↓			Lab <i>j</i> →																			
	<i>D_i</i>	<i>U_i</i>	KRISS		NMIA		NMJ		NPLI		NIM		CENAM		INMETRO		NRC		NIST		VSL	
	/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg		/ μg	
KRISS	1.68	0.60			2.20	0.72	0.19	0.72	-1.10	2.04	2.10	1.08	2.14	0.77	1.34	1.37	1.64	1.92	2.34	0.76	0.95	0.93
NMIA	-0.52	0.79	-2.20	0.72			-2.01	0.89	-3.30	2.10	-0.10	1.19	-0.06	0.93	-0.86	1.46	-0.56	1.99	0.14	0.92	-1.25	1.07
NMIJ	1.48	0.79	-0.19	0.72	2.01	0.89			-1.29	2.10	1.91	1.19	1.94	0.93	1.14	1.46	1.44	1.99	2.14	0.92	0.76	1.07
NPLI	2.78	2.07	1.10	2.04	3.30	2.10	1.29	2.10			3.20	2.25	3.24	2.12	2.44	2.40	2.74	2.75	3.44	2.12	2.05	2.19
NIM	-0.42	1.13	-2.10	1.08	0.10	1.19	-1.91	1.19	-3.20	2.25			0.04	1.23	-0.76	1.67	-0.46	2.14	0.24	1.22	-1.15	1.33
CENAM	-0.46	0.80	-2.14	0.77	0.06	0.93	-1.94	0.93	-3.24	2.12	-0.04	1.23			-0.80	1.37	-0.50	1.92	0.20	0.76	-1.18	1.07
INMETRO	0.34	1.38	-1.34	1.37	0.86	1.46	-1.14	1.46	-2.44	2.40	0.76	1.67	0.80	1.37			0.30	2.23	1.00	1.36	-0.38	1.56
NRC	0.04	1.93	-1.64	1.92	0.56	1.99	-1.44	1.99	-2.74	2.75	0.46	2.14	0.50	1.92	-0.30	2.23			0.70	1.91	-0.68	2.06
NIST	-0.66	0.79	-2.34	0.76	-0.14	0.92	-2.14	0.92	-3.44	2.12	-0.24	1.22	-0.20	0.76	-1.00	1.36	-0.70	1.91			-1.38	1.07
VSL	0.72	0.96	-0.95	0.93	1.25	1.07	-0.76	1.07	-2.05	2.19	1.15	1.33	1.18	1.07	0.38	1.56	0.68	2.06	1.38	1.07		
VNIIM	-1.38	1.13	-3.05	1.11	-0.85	1.23	-2.86	1.23	-4.15	2.27	-0.95	1.46	-0.92	1.23	-1.72	1.67	-1.42	2.14	-0.72	1.22	-2.10	1.31
GUM	0.22	1.31	-1.45	1.29	0.75	1.39	-1.26	1.39	-2.55	2.36	0.65	1.61	0.68	1.40	-0.12	1.80	0.18	2.24	0.88	1.39	-0.50	1.47
INRIM	-0.88	0.96	-2.55	0.93	-0.35	1.07	-2.36	1.07	-3.65	2.19	-0.45	1.33	-0.42	1.07	-1.22	1.56	-0.92	2.06	-0.22	1.07	-1.60	1.16
METAS	-0.33	0.83	-2.00	0.80	0.20	0.96	-1.81	0.96	-3.10	2.13	0.10	1.25	0.13	0.96	-0.67	1.48	-0.37	2.00	0.33	0.95	-1.05	1.06
NPL	-1.50	2.02	-3.18	2.01	-0.98	2.08	-2.98	2.08	-4.28	2.82	-1.08	2.23	-1.04	2.08	-1.84	2.37	-1.54	2.72	-0.84	2.07	-2.22	2.15
PTB	0.40	2.02	-1.28	2.01	0.92	2.08	-1.08	2.08	-2.38	2.82	0.82	2.23	0.86	2.08	0.06	2.37	0.36	2.72	1.06	2.07	-0.32	2.15
CEM	-0.47	2.03	-2.15	2.02	0.05	2.09	-1.95	2.09	-3.25	2.83	-0.05	2.24	-0.01	2.09	-0.81	2.38	-0.51	2.73	0.19	2.09	-1.19	2.16
LNE	0.00	2.32	-1.68	2.31	0.52	2.36	-1.48	2.36	-2.78	3.04	0.42	2.50	0.46	2.37	-0.34	2.62	-0.04	2.95	0.66	2.36	-0.72	2.43
SMU	0.50	2.43	-1.18	2.42	1.02	2.47	-0.98	2.47	-2.28	3.12	0.92	2.60	0.96	2.47	0.16	2.72	0.46	3.03	1.16	2.47	-0.22	2.53

Key comparison CCM.M-K5

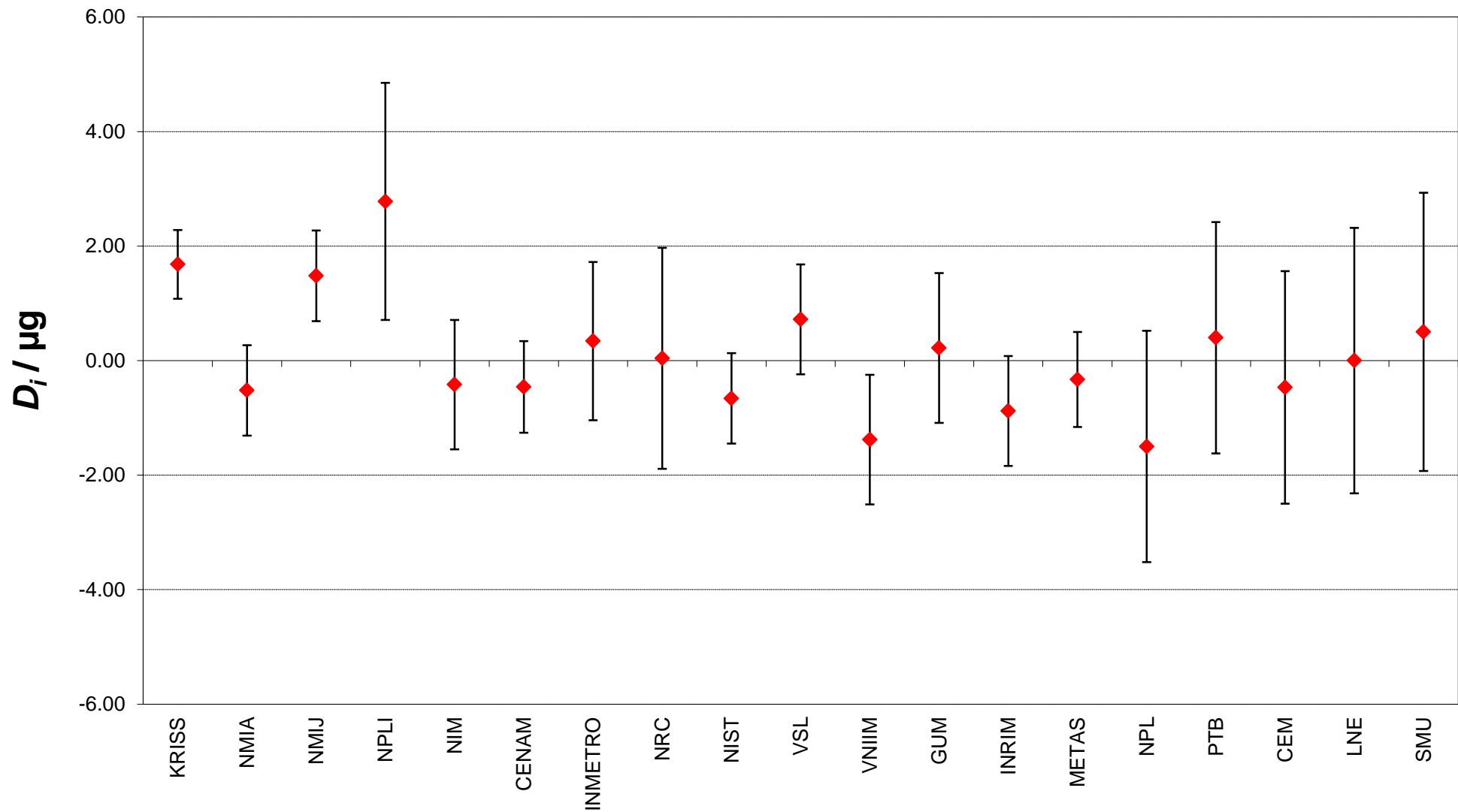
NOMINAL VALUE : 200 mg
TRANSFER STANDARD : Jx

Matrix of equivalence (Continued)

Lab <i>i</i> ↓			Lab <i>j</i> →																	
	<i>D_i</i>	<i>U_i</i>	VNIIM		GUM		INRIM		METAS		NPL		PTB		CEM		LNE		SMU	
	/ μg		<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
KRISS	1.68	0.60	3.05	1.11	1.45	1.29	2.55	0.93	2.00	0.80	3.18	2.01	1.28	2.01	2.15	2.02	1.68	2.31	1.18	2.42
NMIA	-0.52	0.79	0.85	1.23	-0.75	1.39	0.35	1.07	-0.20	0.96	0.98	2.08	-0.92	2.08	-0.05	2.09	-0.52	2.36	-1.02	2.47
NMIJ	1.48	0.79	2.86	1.23	1.26	1.39	2.36	1.07	1.81	0.96	2.98	2.08	1.08	2.08	1.95	2.09	1.48	2.36	0.98	2.47
NPLI	2.78	2.07	4.15	2.27	2.55	2.36	3.65	2.19	3.10	2.13	4.28	2.82	2.38	2.82	3.25	2.83	2.78	3.04	2.28	3.12
NIM	-0.42	1.13	0.95	1.46	-0.65	1.61	0.45	1.33	-0.10	1.25	1.08	2.23	-0.82	2.23	0.05	2.24	-0.42	2.50	-0.92	2.60
CENAM	-0.46	0.80	0.92	1.23	-0.68	1.40	0.42	1.07	-0.13	0.96	1.04	2.08	-0.86	2.08	0.01	2.09	-0.46	2.37	-0.96	2.47
INMETRO	0.34	1.38	1.72	1.67	0.12	1.80	1.22	1.56	0.67	1.48	1.84	2.37	-0.06	2.37	0.81	2.38	0.34	2.62	-0.16	2.72
NRC	0.04	1.93	1.42	2.14	-0.18	2.24	0.92	2.06	0.37	2.00	1.54	2.72	-0.36	2.72	0.51	2.73	0.04	2.95	-0.46	3.03
NIST	-0.66	0.79	0.72	1.22	-0.88	1.39	0.22	1.07	-0.33	0.95	0.84	2.07	-1.06	2.07	-0.19	2.09	-0.66	2.36	-1.16	2.47
VSL	0.72	0.96	2.10	1.31	0.50	1.47	1.60	1.16	1.05	1.06	2.22	2.15	0.32	2.15	1.19	2.16	0.72	2.43	0.22	2.53
VNIIM	-1.38	1.13			-1.60	1.59	-0.50	1.31	-1.05	1.22	0.12	2.23	-1.78	2.23	-0.91	2.24	-1.38	2.50	-1.88	2.60
GUM	0.22	1.31	1.60	1.59			1.10	1.47	0.55	1.39	1.72	2.32	-0.18	2.32	0.69	2.34	0.22	2.58	-0.28	2.68
INRIM	-0.88	0.96	0.50	1.31	-1.10	1.47			-0.55	1.06	0.62	2.15	-1.28	2.15	-0.41	2.16	-0.88	2.43	-1.38	2.53
METAS	-0.33	0.83	1.05	1.22	-0.55	1.39	0.55	1.06			1.17	2.09	-0.73	2.09	0.14	2.10	-0.33	2.38	-0.83	2.49
NPL	-1.50	2.02	-0.12	2.23	-1.72	2.32	-0.62	2.15	-1.17	2.09			-1.90	2.01	-1.03	2.02	-1.50	2.31	-2.00	2.42
PTB	0.40	2.02	1.78	2.23	0.18	2.32	1.28	2.15	0.73	2.09	1.90	2.01			0.87	2.02	0.40	2.31	-0.10	2.42
CEM	-0.47	2.03	0.91	2.24	-0.69	2.34	0.41	2.16	-0.14	2.10	1.03	2.02	-0.87	2.02			-0.47	2.32	-0.97	2.43
LNE	0.00	2.32	1.38	2.50	-0.22	2.58	0.88	2.43	0.33	2.38	1.50	2.31	-0.40	2.31	0.47	2.32			-0.50	2.67
SMU	0.50	2.43	1.88	2.60	0.28	2.68	1.38	2.53	0.83	2.49	2.00	2.42	0.10	2.42	0.97	2.43	0.50	2.67		

CCM.M-K5 Nominal value 200 mg (Standard Jx)

Degrees of equivalence [D_i] and expanded uncertainty ($k = 2$) U_i



Key comparisons CCM.M-K5 and COOMET.M.M-K5

Matrix of equivalence

NOMINAL VALUE : 200 mg

TRANSFER STANDARD : 200 mg-Jy for CCM.M-K5, and 200 mg « * » and 200 mg None for COOMET.M.M-K5

Lab <i>i</i> ↓			Lab <i>j</i> →																			
	<i>D_i</i>	<i>U_i</i>	KRISS		NMIA		NMJ		NPLI		NIM		CENAM		INMETRO		NRC		NIST		VSL	
	/ μg		<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
KRISS	1.89	0.76			2.10	0.82	0.06	0.82	-0.10	2.08	2.10	1.14	2.32	0.80	1.92	1.38	1.32	2.12	1.83	0.79	1.20	1.04
NMIA	-0.21	0.92	-2.10	0.82			-2.04	0.97	-2.20	2.14	0.00	1.26	0.22	0.95	-0.18	1.48	-0.78	2.18	-0.27	0.94	-0.90	1.17
NMIJ	1.83	0.92	-0.06	0.82	2.04	0.97			-0.16	2.14	2.04	1.26	2.26	0.95	1.86	1.48	1.26	2.18	1.77	0.94	1.14	1.17
NPLI	1.99	2.12	0.10	2.08	2.20	2.14	0.16	2.14			2.20	2.28	2.42	2.13	2.02	2.41	1.42	2.90	1.93	2.13	1.30	2.24
NIM	-0.21	1.22	-2.10	1.14	0.00	1.26	-2.04	1.26	-2.20	2.28			0.22	1.24	-0.18	1.68	-0.78	2.32	-0.27	1.24	-0.90	1.41
CENAM	-0.43	0.77	-2.32	0.80	-0.22	0.95	-2.26	0.95	-2.42	2.13	-0.22	1.24			-0.40	1.33	-1.00	2.08	-0.49	0.69	-1.11	1.05
INMETRO	-0.03	1.37	-1.92	1.38	0.18	1.48	-1.86	1.48	-2.02	2.41	0.18	1.68	0.40	1.33			-0.60	2.37	-0.09	1.32	-0.71	1.55
NRC	0.57	2.10	-1.32	2.12	0.78	2.18	-1.26	2.18	-1.42	2.90	0.78	2.32	1.00	2.08	0.60	2.37			0.51	2.08	-0.11	2.22
NIST	0.06	0.76	-1.83	0.79	0.27	0.94	-1.77	0.94	-1.93	2.13	0.27	1.24	0.49	0.69	0.09	1.32	-0.51	2.08			-0.62	1.05
VSL	0.69	1.02	-1.20	1.04	0.90	1.17	-1.14	1.17	-1.30	2.24	0.90	1.41	1.11	1.05	0.71	1.55	0.11	2.22	0.62	1.05		
VNIIM	-0.61	1.19	-2.50	1.20	-0.40	1.31	-2.44	1.31	-2.60	2.32	-0.40	1.54	-0.19	1.21	-0.59	1.66	-1.19	2.30	-0.68	1.21	-1.30	1.34
GUM	0.79	1.36	-1.10	1.38	1.00	1.47	-1.04	1.47	-1.20	2.41	1.00	1.67	1.21	1.38	0.81	1.79	0.21	2.40	0.72	1.38	0.10	1.49
INRIM	-1.31	1.02	-3.20	1.04	-1.10	1.17	-3.14	1.17	-3.30	2.24	-1.10	1.41	-0.89	1.05	-1.29	1.55	-1.89	2.22	-1.38	1.05	-2.00	1.19
METAS	-0.30	0.91	-2.19	0.93	-0.09	1.07	-2.13	1.07	-2.29	2.19	-0.09	1.33	0.13	0.94	-0.27	1.47	-0.87	2.17	-0.36	0.93	-0.98	1.09
NPL	-0.35	1.00	-2.24	1.02	-0.14	1.14	-2.18	1.14	-2.34	2.22	-0.14	1.40	0.08	1.03	-0.32	1.53	-0.92	2.21	-0.41	1.02	-1.04	1.23
PTB	0.85	1.00	-1.04	1.02	1.06	1.14	-0.98	1.14	-1.14	2.22	1.06	1.40	1.28	1.03	0.88	1.53	0.28	2.21	0.79	1.02	0.16	1.23
CEM	0.00	1.02	-1.89	1.04	0.21	1.17	-1.83	1.17	-1.99	2.24	0.21	1.41	0.43	1.05	0.03	1.54	-0.57	2.22	-0.06	1.04	-0.69	1.25
LNE	0.55	1.28	-1.34	1.30	0.76	1.40	-1.28	1.40	-1.44	2.37	0.76	1.61	0.98	1.31	0.58	1.73	-0.02	2.35	0.49	1.30	-0.14	1.47
SMU	-2.95	1.67	-4.84	1.68	-2.74	1.76	-4.78	1.76	-4.94	2.60	-2.74	1.94	-2.52	1.69	-2.92	2.03	-3.52	2.59	-3.01	1.69	-3.64	1.82

BelGIM	0.1	4.0
KazInMetr	0.3	2.4
NSC IM	1.4	4.0
BelGIM	-1.8	4.0
KazInMetr	-2.8	2.4
NSC IM	-0.7	4.0

Values for standard 200 mg « * »
Values for standard 200 mg None

Key comparisons CCM.M-K5 and COOMET.M.M-K5

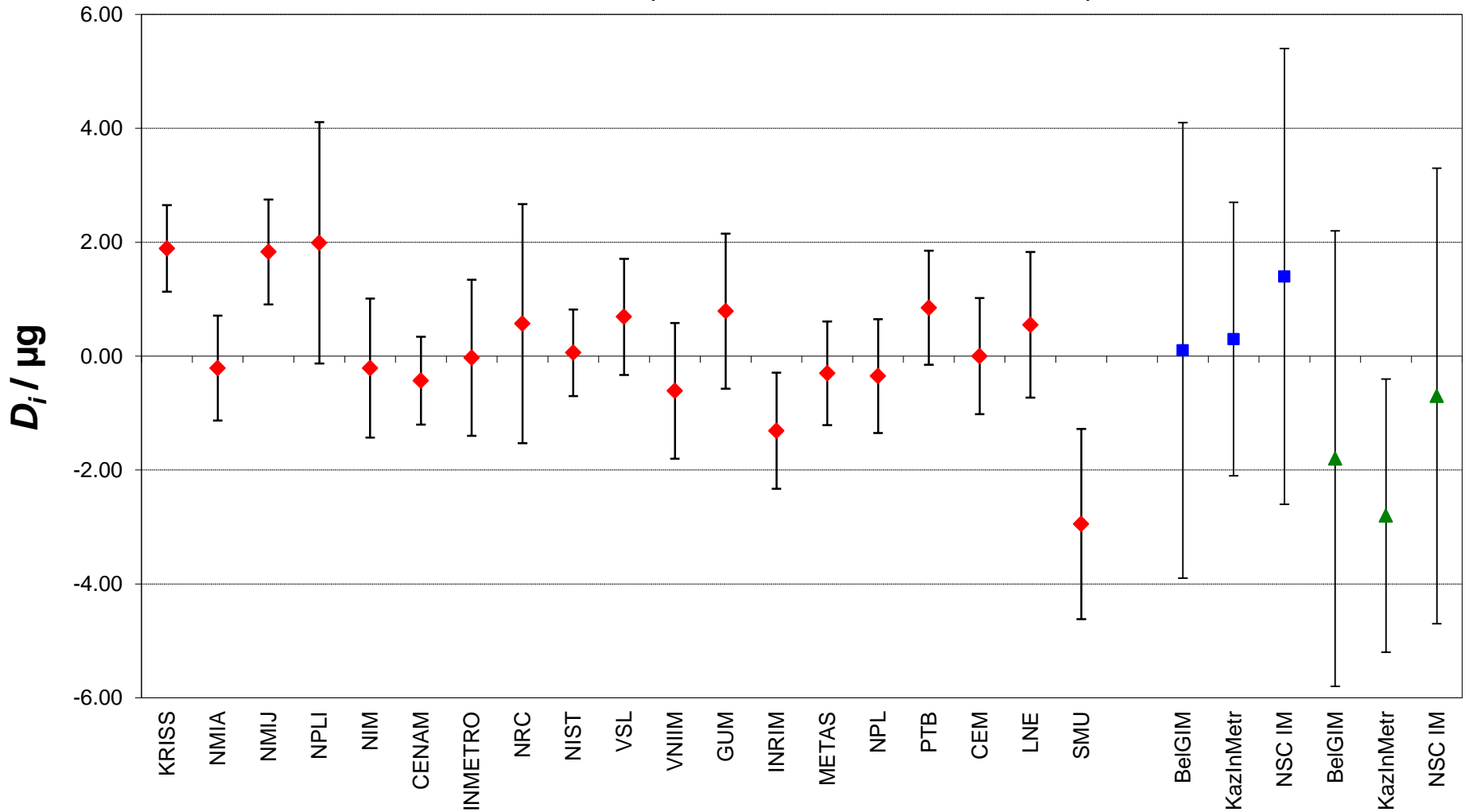
Matrix of equivalence

NOMINAL VALUE : 1 g

TRANSFER STANDARD : 200 mg-Jy for CCM.M-K5, and 200 mg « * » and 200 mg None for COOMET.M.M-K5

Lab <i>i</i> ↓	D_i U_i / μg		Lab <i>j</i> →		VNIIM		GUM		INRIM		METAS		NPL		PTB		CEM		LNE		SMU	
	D_{ij}	U_{ij}	D_{ij}	U_{ij}	D_{ij}	U_{ij}	D_{ij}	U_{ij}	D_{ij}	U_{ij}	D_{ij}	U_{ij}	D_{ij}	U_{ij}	D_{ij}	U_{ij}	D_{ij}	U_{ij}	D_{ij}	U_{ij}	D_{ij}	U_{ij}
KRISS	1.89	0.76	2.50	1.20	1.10	1.38	3.20	1.04	2.19	0.93	2.24	1.02	1.04	1.02	1.89	1.04	1.34	1.30	4.84	1.68		
NMIA	-0.21	0.92	0.40	1.31	-1.00	1.47	1.10	1.17	0.09	1.07	0.14	1.14	-1.06	1.14	-0.21	1.17	-0.76	1.40	2.74	1.76		
NMIJ	1.83	0.92	2.44	1.31	1.04	1.47	3.14	1.17	2.13	1.07	2.18	1.14	0.98	1.14	1.83	1.17	1.28	1.40	4.78	1.76		
NPLI	1.99	2.12	2.60	2.32	1.20	2.41	3.30	2.24	2.29	2.19	2.34	2.22	1.14	2.22	1.99	2.24	1.44	2.37	4.94	2.60		
NIM	-0.21	1.22	0.40	1.54	-1.00	1.67	1.10	1.41	0.09	1.33	0.14	1.40	-1.06	1.40	-0.21	1.41	-0.76	1.61	2.74	1.94		
CENAM	-0.43	0.77	0.19	1.21	-1.21	1.38	0.89	1.05	-0.13	0.94	-0.08	1.03	-1.28	1.03	-0.43	1.05	-0.98	1.31	2.52	1.69		
INMETRO	-0.03	1.37	0.59	1.66	-0.81	1.79	1.29	1.55	0.27	1.47	0.32	1.53	-0.88	1.53	-0.03	1.54	-0.58	1.73	2.92	2.03		
NRC	0.57	2.10	1.19	2.30	-0.21	2.40	1.89	2.22	0.87	2.17	0.92	2.21	-0.28	2.21	0.57	2.22	0.02	2.35	3.52	2.59		
NIST	0.06	0.76	0.68	1.21	-0.72	1.38	1.38	1.05	0.36	0.93	0.41	1.02	-0.79	1.02	0.06	1.04	-0.49	1.30	3.01	1.69		
VSL	0.69	1.02	1.30	1.34	-0.10	1.49	2.00	1.19	0.98	1.09	1.04	1.23	-0.16	1.23	0.69	1.25	0.14	1.47	3.64	1.82		
VNIIM	-0.61	1.19			-1.40	1.61	0.70	1.34	-0.32	1.25	-0.26	1.37	-1.46	1.37	-0.61	1.39	-1.16	1.59	2.34	1.92		
GUM	0.79	1.36	1.40	1.61			2.10	1.49	1.08	1.41	1.14	1.52	-0.06	1.52	0.79	1.54	0.24	1.72	3.74	2.03		
INRIM	-1.31	1.02	-0.70	1.34	-2.10	1.49			-1.02	1.09	-0.96	1.23	-2.16	1.23	-1.31	1.25	-1.86	1.47	1.64	1.82		
METAS	-0.30	0.91	0.32	1.25	-1.08	1.41	1.02	1.09			0.05	1.13	-1.15	1.13	-0.30	1.16	-0.85	1.39	2.65	1.76		
NPL	-0.35	1.00	0.26	1.37	-1.14	1.52	0.96	1.23	-0.05	1.13			-1.20	0.94	-0.35	0.97	-0.90	1.24	2.60	1.64		
PTB	0.85	1.00	1.46	1.37	0.06	1.52	2.16	1.23	1.15	1.13	1.20	0.94			0.85	0.97	0.30	1.24	3.80	1.64		
CEM	0.00	1.02	0.61	1.39	-0.79	1.54	1.31	1.25	0.30	1.16	0.35	0.97	-0.85	0.97			-0.55	1.26	2.95	1.66		
LNE	0.55	1.28	1.16	1.59	-0.24	1.72	1.86	1.47	0.85	1.39	0.90	1.24	-0.30	1.24	0.55	1.26			3.50	1.83		
SMU	-2.95	1.67	-2.34	1.92	-3.74	2.03	-1.64	1.82	-2.65	1.76	-2.60	1.64	-3.80	1.64	-2.95	1.66	-3.50	1.83				

CCM.M-K5 and COOMET.M.M-K5 Nominal value 200 mg
Degrees of equivalence [D_i and expanded uncertainty ($k = 2$) U_i]



Red diamonds: CCM.M-K5 participants (200 mg-Jy standard)
Blue squares: COOMET.M.M-K5 participants (200 mg « * » standard)
Green triangles: COOMET.M.M-K5 participants (200 mg None standard)