Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 1	Freezing point	remain EEC/OECD to cite as additional literature		1) obsolete. Instrumental method should be used. 2) maintain	remain	EEC/OECD to cite as additional literature
MT 2	b	remain		1) obsolete. Instrumental method should be used. 2) maintain	remain	EEC/OECD to cite as additional literature
MT 3	Specific gravity, density, and weight per millilitre	remain	Errata needs to be taken up	1) EEC A.3 is only guideline. 2) Implement Errata into updated MT in new Handbook.	remain	Errata needs to be taken up
3.1	Hydrometer method	remain		1) instrumental method should be used (e.g. Tensiometer Lauda TD 2). 2) maintain 3) no longer supported	remain	
3.2	Pyknometer method	remain		1) Genaral method. Possibility of measurements density of solids. 2) maintain	remain	
3.3	Density of suspension concentrates	remain		1) useful methods. 2) maintain	remain	
3.3.1	Hydrometer method	remain		1) the princip of this method can be used and combine with instrumental technic (e.g. Tensiometer Lauda TD. 2) maintain 3) no longer supported	remain	
3.3.2	Density bottle method	remain		1) No other exist. 2) maintain	remain	
MT 4			was already obsolete	agree	was already obsolete	
MT 5	Material soluble in acetone	remain	possible candidate for renewal/amendment	1) The methods MT 5 to MT 11 should be harmonised and updated to be usable. 2) can be used	remain	possible candidate for renewal/amendment
5.1		remain	*ditto*	can be used	remain	possible candidate for renewal/amendment
5.2	Solution at room temperature	remain	*ditto*	can be used	remain	possible candidate for renewal/amendment
MT 6	Material soluble in hexane	remain	possible candidate for renewal/amendment	can be used	remain	possible candidate for renewal/amendment

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 7	Material soluble in ethanol	remain	possible candidate for renewal/amendment	can be used	remain	possible candidate for renewal/amendment
7.1	Hot solution	remain	*ditto*	can be used	remain	possible candidate for renewal/amendment
7.2	Solution at room temperature	remain	*ditto*	can be used	remain	possible candidate for renewal/amendment
MT 8	Material insoluble in kerosene	remain	possible candidate for renewal/amendment	can be used	remain	possible candidate for renewal/amendment
MT 9	Materials soluble in water	remain	possible candidate for renewal/amendment	can be used	remain	possible candidate for renewal/amendment
MT 10	Material insoluble in water	remain	possible candidate for renewal/amendment	can be used	remain	possible candidate for renewal/amendment
10.1	Hot solution of the sample	remain	*ditto*	can be used	remain	possible candidate for renewal/amendment
10.2	Cold solution of the sample	remain	*ditto*	can be used	remain	possible candidate for renewal/amendment
10.3	Coarse material insoluble in water	remain	*ditto*	reference to MCPA FAO specification	remain	possible candidate for renewal/amendment
10.4	Materials insoluble in aqueous solutions of pesticides	remain	*ditto*	can be used	remain	possible candidate for renewal/amendment
MT 11	Material insoluble in xylene	remain	possible candidate for renewal/amendment	can be used	remain	possible candidate for renewal/amendment
MT 12	Flash point	remain EEC/OECD to cite as additional literature		maintain	remain	EEC/OECD to cite as additional literature
12.1	Abel method	remain		1) obsolete. Instrumental method should be used. 2) maintain	remain	
12.2	Tag closed tester	remain		1) obsolete. Instrumental method should be used. 2) maintain	remain	
12.3	Pensky-Martens closed tester	remain		1) obsolete. Instrumental method should be used. 2) maintain	remain	
MT 13			was already obsolete		remain	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 14	Freezing mixtures	no longer supported	However, in the case that there is a need to keep the method as official method, the decision could be reconsidered.	1) cheap to prepare of cold mixtures but obsolete. 2) maintain	remain	
14.1	At - 5 ± 1 °C	no longer supported		1) obsolete.hazard to work with conc.HCl. 2) maintain	remain	
14.2	At - 10 ± 1 °C	no longer supported		1) obsolete, easy to prepare. 2) maintain	remain	
15.1	CIPAC method	obsolte	superseded by MT 184	1) no longer supported (should not be obsolete) 2) Should be "no longer supported" for it is mentioned in existing FAO specs	no longer supported	
15.2	AID (Aid for International Development Programme) method	remain		1) methods for DDT and malathion WP powders. MT 184 is general method. 2) to be clarified	remain	
MT 16	Material insoluble in dichloro-difluoromethane	no longer supported		1) very complicated method. Not many labs would be able to do it! 2) agree	no longer supported	
MT 17	Loss in weight	remain		1) useful methods. 2) maintain	remain	
17.1	Weight loss in an oven for 1 hour	remain		1) useful method. 2) maintain	remain	
17.2	Weight loss under vacuum at temperatures above room temperature	remain		1) useful method. Moisture content in WG formulations. 2) maintain	remain	
17.3	Weight loss under vacuum at room temperature	remain		1) useful method. 2) maintain	remain	
17.4	Weight loss at 100 °C for 4 hours	remain		1) useful method. 2) maintain	remain	
MT 18	Standard waters	remain		maintain	remain	
18.1	Preparation of Standard Waters A to G	remain		1) necessary method. 2) maintain	remain	
18.2	Preparation of salted waters H and J	remain		1) necessary method. 2) maintain	remain	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
18.3	Non-CIPAC Standard Waters	remain		If other waters than CIPAC are needed. Very seldom used.	remain	
18.3.1	WHO Standard Hard Water	?		1) If other waters than CIPAC are needed. Very seldom used 2) maintain, to be clarified	remain	
18.3.2	GB Standard Water	remain		1) If other waters than CIPAC are needed. Very seldom used 2) maintain	remain	
18.3.3	AOAC Standard Water	remain		1) If other waters than CIPAC are needed. Very seldom used. 2) maintain	remain	
18.3.4	US Navy Hard Water	remain		1) If other waters than CIPAC are needed. Very seldom used. 2) maintain	remain	
18.3.5	Synthetic Nile Water	remain		1) If other waters than CIPAC are needed. Very seldom used. 2) maintain	remain	
18.3.6	ASTM Hard Water	remain		1) If other waters than CIPAC are needed. Very seldom used. 2) maintain	remain	
18.4	Preparation of Standard Waters of required hardness	remain		1) If other waters than CIPAC are needed. Very seldom used. 2) maintain	remain	
18.5	Simplified method of preparing stock solutions	remain		maintain	remain	
MT 19	Phosphate buffer solutions	not longer supported		1) not needed method 2) agree	no longer supported	
MT 20	Stability of dilute emulsion	obsolte	superseded by MT 36.3	1) old method. New MT 36.3 2) no longer supported (should not be obsolete).	no longer supported	
MT 21	Silica for chromatography	not longer supported		1) not needed method 2) agree	no longer supported	
21.1	Silica	not longer supported		1) not needed method 2) agree	no longer supported	
21.2	Sorbisilâ M 60	not longer supported		1) not needed method 2) agree	no longer supported	
21.3	Florisil	not longer supported		1) not needed method 2) agree	no longer supported	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 22	Viscosity	remain needs to be amended (e.g. SI units)	possible candidate for renewal/amendment	1) Time consuming old methods, only for transparent or opaque liquids with Newtonian flow, kinematic viscosity. Range for measurement dynamic viscosity by MT 192 of EC,S 2) maintain	remain	possible candidate for renewal/amendment
22.1	Viscosity of transparent and opaque liquids in CGS units	remain	Errata needs to be taken up	Implement Errata into updated MT in new Handbook.	remain	Errata needs to be taken up
22.2	Redwood method	remain	*ditto*	Implement Errata into updated MT in new Handbook.	remain	Errata needs to be taken up
22.3	Viscosity of mineral oil	remain	*ditto*	Implement Errata into updated MT in new Handbook.	remain	Errata needs to be taken up
MT 23	Miscibility with hydrocarbon oil	remain		1) hydrocarbon oil should be environmentaly friendly 2) maintain	remain	Errata needs to be taken up
MT 24	Phosphorus(V) oxide	no longer supported		1) reference in MT 17.3. Commercially available. 2) agree	no longer supported	
MT 25	Sand for germination tests	no longer supported		1) obsolete method. 2) agree	no longer supported	
MT 26	John Innes compost	no longer supported		1) obsolete method. 2) agree	no longer supported	
26.1	Seeding Compost - with fertilizer	no longer supported		1) obsolete method. 2) agree	no longer supported	
26.2	Seeding Compost - without fertilizer	no longer supported		1) obsolete method. 2) agree	no longer supported	
MT 27	Material insoluble in acetone	remain	see MT 5 - MT 11	1) can be used 2) maintain	remain	possible candidate for renewal/amendment
MT 28	Dimedone derivative	no longer supported		1) useful simple method. No instrument is needed. Some skill in organic preparative chemistry is needed. 2) agree	no longer supported	
MT 29	Sulphated ash	remain		1) useful method 2) maintain	remain	
MT 30	Water	remain		maintain	remain	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
30.1	Karl Fischer method	obsolte	superseded by MT 30.5	1) obsolete method. Unstable chemicals 2) agree	obsolete	
30.2	Dean and Stark method	remain		1) good method for e.g WP formulations. 2) maintain	remain	
30.3	Free water - 'Speedy' method	no longer supported		1) obsolete method 2) agree	no longer supported	
30.4	Water in acetone solutions	no longer supported		1) obsolete. Superseded by MT 30.5 with special solvents and titrants. 2) agree	no longer supported	
30.5	Karl Fischer method using pyridine-free reagents	remain		1) good method. On the market special titrants and solvents are available. 2) maintain	remain	
MT 31	Free acidity or alkalinity	remain	possible candidate for renewal/amendment	1) very detailed methods with specific purpose (e.g. MT 31.3) 2) maintain	remain	possible candidate for renewal/amendment
31.1	Methyl red indicator method	remain		1) good for technical materials which are not dissolved in water 2) maintain	remain	
31.2	Electrometric procedure	remain		1) good for technical materials which are not dissolved in water 2) maintain	remain	
31.3	Acidity of petroleum products	remain		1) no other methods 2) maintain	remain	
MT 32	Determination of conductivity	remain		1) no other method 2) maintain	remain	
MT 33	Tap density	obsolte	superseded by MT 186. Fig 19 needs to be included in MT 186 or MT 58.4.	1) obsolete method. Nowdays commercial Tap Density Testers which fulfile USP, EP and ASTM requirements are available on the market e.g.Sotax TD 1 2) no longer supported, Fig 19 needs to be included in MT 186 or MT 58.4. (should not be obsolete)	no longer supported	
MT 34	Dustability tests after tropical storage	no longer supported		1) obsolete 2) agree	no longer supported	
MT 35	Oil insoluble material	remain	see MT 5 - MT 11	1) can be used 2) maintain	remain	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
36.1	Five per cent v/v oil phase	obsolte	superseded by MT 36.3	1) superseded by MT 36.3 2) no longer supported (should not be obsolete 3) Should be "no longer supported" for it is mentioned in existing FAO specs	no longer supported	
36.2	1 per cent v/v oil phase	obsolte	ditto	1) no longer supported (chould not be obsolete) 2) "Should be ""no longer supported"" for it is mentioned in existing FAO specs (not checked in this case)"	no longer supported	Is is mentioned in valid FAO specifications (checked by CIPAC)
36.3	Emulsion characteristics and re-emulsification properties	remains	CIPAC water A is not longer mentioned in the 2010 FAO/WHO Manual	1) possibility of other CIPAC Standard Waters - depending on the specification. 2) maintain, no measurement of a.s. content	remain	possible candidate for renewal/amendment
MT 37	Isolation of active ingredient	not longer supported		1) obsolete methods. 2) agree	no longer supported	
37.1	Extraction with acetone	not longer supported		1) obsolete 2) agree	no longer supported	
37.2	Extraction with petroleum spirit	not longer supported		1) obsolete 2) agree	no longer supported	
37.3	Removal of solvents by distillation	not longer supported		1) obsolete 2) agree	no longer supported	
MT 38	Organic chlorine	not longer supported		1) obsolete methods. 2) agree	no longer supported	
38.1	Potassium - xylene method	not longer supported		1) obsolete 2) agree	no longer supported	
38.2	Stepanov method	not longer supported		1) obsolete 2) agree	no longer supported	
38.3	Oxygen flask method	not longer supported		1) obsolete 2) agree	no longer supported	
39.1	Emulsifiable concentrates and solutions	obsolte	superseded by MT 39.3	1) superseded by MT 39.3 2) no longer supported (should not be obsolete) 3) Should be "no longer supported" for it is mentioned in existing FAO specs	no longer supported	
39.2	Aqueous solutions	obsolte	ditto	1) superseded by MT 39.3 2) Should be "no longer supported" for it is mentioned in existing FAO specs	no longer supported	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
39.3	Low temperature stability of liquid formulations	remain	The figure 24 (MT 39.1) of the conical tube needs to be transferred in the MT 39.3	1) The figure 24 from MT 39.1 should be copy to the MT 39.3 2) maintain, the figure 24 (MT 39.1) of the conical tube needs to be transferred in the MT 39.3	remain	possible candidate for renewal/amendment
MT 40	Water content and suspended solids in technical esters of phenoxyalkanoic acids	no longer supported		1) for MT 40.1 water content is alternative MT 30.5. MT 40.2 is obsolete 2) agree	no longer supported	
MT 41	Dilution stability of herbicide aqueous solutions	remain	possible candidate for renewal/amendment DAPF has provided a proposal to CIPAC. The amendment method presented in Ljubiljana has been accepted as provisional	1) Changing the temperature to 30°C, water to D reflect in many cases FAO specifications (e.g.glyphosate) 2) maintain, as presented in Ljubiljana	remain	possible candidate for renewal/amendment
MT 42	Particle size of copper and sulphur products	obolete	superseded by MT 187	1) obsolete method. MT 187, instruments commercially available 2) agree	obsolete	
42.1	Formulations without carriers	obolete	*ditto*	1) obsolete method. MT 187, instruments commercially available 2) agree	obsolete	
42.2	Formulations containing carriers	obolete	*ditto*	1) obsolete method. MT 187, instruments commercially available 2) agree	obsolete	
MT 43	Particle size distribution of DDT wettable powders	obolete	*ditto*	1) obsolete method. MT 187, instruments commercially available 2) agree	obsolete	
MT 44	Flow number	remain		maintain	remain	
MT 45	Removal of dyes	remain		maintain	remain	
46.1	General method	obsolte	superseded by MT 46.3	1) obsolete 2) agree 3) Should be "no longer supported" for it is mentioned in existing FAO specs	no longer supported	
46.2	AID methods	open		The method is intended for use of 75% DDT WP and malathion WP	remain	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
46.3	Accelerated storage procedure (combined method)	remain	possible candidate for renewal/amendment	2) methods is good, expanded to LN 2) maintain, work programm DAPF	remain	possible candidate for renewal/amendment
47.1	Persistent foam	obsolete	superseded my MT 47,2	1) obsolete 2) Should be "no longer supported" for it is mentioned in existing FAO specs	no longer supported	
47.2	Determination of the foaming of suspension concentrates	remain	renewal as 47.3 in terms of applicability for other formulations. DAPF has indicated the willingness to renew the method. 4 cm - 7 cm should be possible.	Title will be good to change. Using of CIPAC water depents on the specifications (e.g. FAO etc). The method is flexible at this point. Good idea is that CIPAC water D should be as default water. Stability of foam depents also on the temperature therefore	remain	possible candidate for renewal/amendment
MT 48	Stability of tar oil products	remain		maintain	remain	
48.1	Undiluted miscible type	remain		maintain	remain	
48.2	Stock emulsion type	remain		maintain	remain	
MT 49	Stability of tar and petroleum products - diluted	remain		maintain	remain	
49.1	Tar oils - miscible and stock emulsion type	remain		maintain	remain	
49.2	Petroleum oil - miscible type	remain		maintain	remain	
MT 50	Alumina	no longer supported		1) obsolete method 2) agree	no longer supported	
MT 51	Stability of undiluted petroleum - tar and petroleum oil products	remain		maintain	remain	
51.1	Miscible type	remain		maintain	remain	
MT 52	Stability of diluted petroleum - tar and petroleum oil products	remain		maintain	remain	
52.1	Miscible type	remain		maintain	remain	
MT 53	Wettability	remain		maintain	remain	
53.1	Wetting time of a standard tape	remain		maintain	remain	
53.2	Wetting of leaf surfaces	remain		maintain	remain	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
53.3	Wetting of wettable powders	remain	possible candidate for renewal/amendment	1) The test should be conducted with a sample size equivalent to the maximum recommended use rate. 2) Frequently used also for other formulations (e.g. WG, EG, EP, SP etc.) . The title would be good to change. This is very simple and not complicated method from the practical point of view. 3) maintain, work programm DAPF	remain	possible candidate for renewal/amendment
MT 54	Stability of undiluted petroleum oil formulations, including those containing DNOC and tar products	remain		maintain	remain	
MT 55	Stability of aqueous dilutions of petroleum oil formulations, including those containing DNOC and tar products	remain		maintain	remain	
55.1	Petroleum oil and tar products	remain		maintain	remain	
55.2	Petroleum oil formulations, including those containing DNOC	remain		maintain	remain	
55.3	Petroleum oils for orchard use	remain		maintain	remain	
55.4	Petroleum oils for glasshouse use	remain		maintain	remain	
MT 56	Volatility of neutral oil	remain		maintain	remain	
56.1	Preliminary examination	remain		maintain	remain	
56.2	Full method	remain		maintain	remain	
MT 57	Unsulphonated residue of neutral oil	remain		maintain	remain	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
58.1	Sampling	not longer supported		1) MT 166 looks aplicable to solid formulations. 2) agree	no longer supported	
58.2	Preparation of sample	not longer supported		1) 18°C is not laboratory temperature 2) agree	no longer supported	
58.3	Sieve analysis	not longer supported		1) obsolete, better MT 170 2) agree	no longer supported	
58.4	Apparant density after compaction without pressure	remain	There would be no methods for "apparent density" determiantion in CIPAC method if this method is no longer supported.	1) obsolete method. Nowdays commercial Tap Density Testers which fulfile USP, EP and ASTM requirements are available on the market e.g.Sotax TD 1 2) Implement Errata into updated MT in new Handbook.	remain	possible candidate for renewal/amendment Errata needs to be taken up
MT 59	Sieve analysis	obsolete	superseded by MT MT 170 and MT 187, respectively	1) no longer supported (should not be obsolete) 2) Should be "no longer supported" for it is mentioned in existing FAO specs (not checked)	no longer supported	Is is mentioned in valid FAO specifications (checked by CIPAC)
59.1	Dry sieving - dusts	*ditto*		1) obsolete, better MT 170 2) no longer supported (should not be obsolete)	no longer supported	
59.2	Granular products	*ditto*		1) obsolete, better MT 170 2) no longer supported (should not be obsolete)	no longer supported	
59.3	Wet sieving	obsolete	superseded by MT 185	1) superseded by MT 185 2) no longer supported (should not be obsolete)	no longer supported	
59.4	Sieve test for granular materials	obsolete	superseded by MT 170	1) similar to MT 58.3. obsolete , better MT 170 2) no longer supported (should not be obsolete)	no longer supported	
MT 60	Solubility of the alkali metal salts of phenoxyalkanoic acid herbicides and their solid formulations	obsolete	superseded by MT 179	1) method without quantitative evaluation. MT 179 looks applicable 2) agree	obsolete	
MT 61	Distillation range of neutral oil	open		1) wrong quotation (Figure 32 instead of Figure 31). 2) maintain to be clarified	remain	Errata needs to be taken up

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 62			was already obsolete	agree	was already obsolete	
MT 63			was already obsolete	agree	was already obsolete	
64.1	HCH technical	obsolete		1) obsolete method 2) agree	obsolete	
64.2	HCH dusts and dispersible powders	obsolete		1) obsolete method 2) agree	obsolete	
64.3	HCH emulsifiable concentrates and solutions	obsolete		1) obsolete method 2) agree	obsolete	
64.4	DDT technical	obsolete	WHO specification only chromatographic methods	1) obsolete method 2) agree	obsolete	
64.5	DDT dusts and wettable powders	obsolete		1) obsolete method 2) agree	obsolete	
64.6	DDT emulsifiable concentrates and solutions	obsolete		1) obsolete method 2) agree	obsolete	
MT 65	Organic chlorine in pesticides in aqueous emulsions	no longer supported		1) obsolete method 2) agree	no longer supported	
MT 66	Free acidity of phenoxyalkanoic esters	obsolete	superseded by MT 191	1) superseded by MT 191 2) agree	obsolete	
MT 67	Fat extraction apparatus	no longer supported		1) obsolete method 2) agree	no longer supported	
MT 68	Total chlorides	no longer supported		1) obsolete method 2) agree	no longer supported	
68.1	Chlorides in phenoxyalkanoic acids	no longer supported		1) obsolete method 2) agree	no longer supported	
68.2	Chlorides in technical mercurial compounds	no longer supported		1) obsolete method 2) agree	no longer supported	
MT 69	Free phenols	remain		1) Does not mind that it is non specific method. The method express the sum of chlorinated phenols. The method is cheap, fast and has very good repetability. 2) maintain	remain	
69.1	2,4-D	remain		1) the same comments as MT 69 2) maintain	remain	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
69.2	MCPA	remain		1) the same comments as MT 69 2) maintain	remain	
69.3	2,4-DB	remain		1) the same comments as MT 69 2) maintain	remain	
69.4	Dichlorprop	remain		1) the same comments as MT 69 2) maintain	remain	
69.5	MCPB	remain		1) the same comments as MT 69 2) maintain	remain	
69.6	Mecoprop	remain		1) the same comments as MT 69 2) maintain	remain	
MT 70			was already obsolete	agree	was already obsolete	
MT 71	Solubility in sodium hydroxide	remain		1) for TC material only 2) maintain	remain	
71.1	Phenoxyalkanoic acids	remain		1) for TC material only 2) maintain	remain	
71.2	Cresols	remain		1) for TC material only 2) maintain	remain	
71.3	Bromoxynil and Ioxynil	remain		1) for TC material only 2) maintain	remain	
MT 72			was already obsolete	agree	was already obsolete	
MT 73	Hardness of water	remain	DAPF is going to present a new method MT 73.1. A CIPAC trial is ongoing	maintain	remain	
MT 74	Neutrality	obsolete	superseded by MT 75,3	1) obsolete. The colour of the sample can influence the colour of resulting mixture 2) agree	obsolete	
75.1	General method	obsolete	superseded by MT 75,3	1) obsolete, buffers commercially available 2) agree	obsolete	
75.2	pH of aqueous dispersions	obsolete	superseded by MT 75,3	1) obsolete 2) agree	obsolete	
75.3	Determination of pH values (revised method)	remain	Errata needs to taken up	for suspensions and emulsions special elektrode should be recommended special elektrode (e.g. Polilyte Lab Temp DIN, Hamilton). No fluctuation of the pH signal.	remain	Errata needs to be taken up

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 76	Solubility in aqueous triethanolamine	no longer supported		1) obsolete method 2) agree	no longer supported	
MT 77	Determination of 1-chloro-2,3-epoxypropane	obsolete	not quoted in an existing FAO specification	1) epichlorohydrin is a precursor in the synthesis of many organic compounds. Does agrochemistry need this compound? 2) agree	obsolete	
MT 78	Hydrogen sulphide and thiols	remain		1) very practical test for finding impurities 2) maintain	remain	
MT 79	Acid wash	no longer supported		1) obsolete method 2) agree	no longer supported	
MT 80	Residue on evaporation	no longer supported		1) obsolete method 2) agree	no longer supported	
80.1	Low boiling products	no longer supported		1) obsolete method 2) agree	no longer supported	
80.2	Cresols	no longer supported		1) obsolete method 2) agree	no longer supported	
MT 81	Soluble alkalinity	obsolete	superseded by MT 191	1) I agree. MT 191 is a new one 2) agree	obsolete	
MT 82	Soluble chlorides	no longer supported		1) Does any specifications need this method? 2) agree	no longer supported	
MT 83	Seed adhesion test for powders for seed treatment	obsolete	superseded by MT 194	1) MT 194 superseded this method 2) no longer supported (should not be obsolete)	no longer supported	
83.1	Cereal seeds	obsolete	superseded by MT 195	1) obsolete 2) no longer supported (should not be obsolete) 3) MT 194	no longer supported	superseded by MT 194
83.2	Pea seeds	obsolete	superseded by MT 196	1) obsolete 2) no longer supported (should not be obsolete) 3) MT 194	no longer supported	superseded by MT 194
MT 84	Ignition tests Assessment of the spontaneous ignition potential of dithiocarbamates	remain		1) It is classical test for ignition. Using TG-FTIR is also possible to find product of ignitions. 2) maintain	remain	
MT 85			was already obsolete	agree	was already obsolete	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
86.1	For GLC	no longer supported		1) obsolete 2) agree	no longer supported	
86.2	For Partition Chromatography	no longer supported		1) obsolete 2) agree	no longer supported	
MT 87	Materials soluble in chloroform	no longer supported		1) obsolete 2) agree	no longer supported	
87.1	Hot solution	no longer supported		1) obsolete 2) agree	no longer supported	
87.2	Cold solution	no longer supported		1) obsolete 2) agree	no longer supported	
MT 88			was already obsolete	agree	was already obsolete	
MT 89			was already obsolete	agree	was already obsolete	
MT 90	Materials soluble in toluene	no longer supported		1) obsolete 2) agree	no longer supported	
MT 91			was already obsolete	agree	was already obsolete	
MT 92	Determination of lead	remain	possible candidate for renewal/amendment	1) Classical method very good elaborated. The advantage is that every labs have spectrofotometer, not ICP. FAO specification Copper oxychloride WP 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
92.1	Dithizone general method	remain	*ditto*	1) Classical method very good elaborated. The advantage is that every labs have spectrofotometer, not ICP. 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
92.2	Dithizone alternative method	remain	*ditto*	1) Classical method very good elaborated. The advantage is that every labs have spectrofotometer, not ICP. 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
MT 93	Determination of manganese	remain	possible candidate for renewal/amendment	1) Classical methods, demanding but cheap. Each lab can do it 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
93.1	Bismuthate method	remain	*ditto*	1) Volumetric method, time consuming but cheap 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
93.2	EDTA method	remain	*ditto*	1) Volumetric method, time consuming but cheap 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 94	Determination of zinc	remain	possible candidate for renewal/amendment	1) Gravimetric (absolute) method, not complicated 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
94.1	Zinc dithiocarbamates	remain	*ditto*	1) Gravimetric (absolute) method, not complicated 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
MT 95	Determination of iron	remain	possible candidate for renewal/amendment	1) Classical methods. Each lab can do it 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
95.1	Total iron	remain	*ditto*	1) Three method for determination total iron. EDTA is very easy. 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
95.2	Divalent iron	remain	*ditto*	1) Method for determination Fe2+ 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
95.3	Trivalent iron	remain	*ditto*	1) Method for determination Fe3+ 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
MT 96			was already obsolete	1) old TLC and PC chromatography. Obsolete 2) agree	was already obsolete	
MT 97	Separation and identification of herbicides	no longer supported		1) old TLC and PC chromatography. Obsolete 2) agree	no longer supported	
MT 98	Water-soluble copper	remain		1) Method MT 98 (MT 98.1 and 98.2) is quotationed in FAO specification Copper oxychloride WP (FAO spec. 44.2 oxch/WP/S (1989)) 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
98.1	Colorimetric method	remain	possible candidate for renewal/amendment	1) FAO specification Copper oxychloride WP. Cheap simple method. Easy to use and handle. Specific reaction of Cu+ and bathocuproine. 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
98.2	Atomic absorption spectophoto-metric method	obsolete	not quoted in an existing FAO specification	1) FAO specification Copper oxychloride WP 2) agree	no longer supported	Is is mentioned in valid FAO specifications (checked by CIPAC)

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 99	Determination of arsenic	remain	possible candidate for renewal/amendment	1)FAO specification Copper oxychloride WP (FAO spec. 44.2 oxch/WP/S (1989)) 2) maintain, workprogramm DAPA	remain	possible candidate for renewal/amendment
100.1	In mercurials	no longer supported		1) mercurial chlorides are not nowdays used as A.I. 2) agree	no longer supported	
MT 101	Heptane-insoluble materials in aldrin	no longer supported		1) we do not need it 2) agree	no longer supported	
MT 102			was already obsolete	agree	was already obsolete	
MT 103			was already obsolete	agree	was already obsolete	
104.1	Organomercury compounds	ditto		1) we do not need it 2) agree	no longer supported	
MT 105	Preparation of nitrogen complexes of nitro compounds	no longer supported		1) obsolete methods. 2) agree	no longer supported	
105.1	Technical compounds	no longer supported		1) obsolete methods. 2) agree	no longer supported	
105.2	Esters	no longer supported		1) obsolete methods. 2) agree	no longer supported	
MT 106			was already obsolete	agree	was already obsolete	
MT 107	Ammonia-ammonium chloride buffer solution - pH 10. See above phosphate buffer.	remain		1) We still need it. See MT 73 Hardness of water. It is Schwarzenbach buffer solution pH 10. 2) maintain	remain	
108.1	Ammonium salt	*ditto*		1) we do not need it 2) agree	no longer supported	
108.2	Sodium salt	*ditto*		1) we do not need it 2) agree	no longer supported	
108.3	Triethanolamine salt	*ditto*		1) we do not need it 2) agree	no longer supported	
MT 109	Acid content of dinitro compounds	no longer supported		1) we do not need it 2) agree	no longer supported	
MT 110	Mercurial impurities in technical and formulated mercurials	remain	valid FAO specification with reference to mercurial impurities (e.g. phenyl mercury acetate).	1) seems to be obsolete 2) maintain	remain	
110.1	General TLC method for samples containing more than 1 % of inorganic mercury	remain		1) Combine with HPTLC technic. 2) maintain	remain	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
110.2	Gravimetric method	remain		1) seems to be obsolete 2) maintain	remain	
110.3	Sulphide colorimetric method	remain		1) seems to be obsolete 2) maintain	remain	
110.4	2-Ethoxyethylmercury(II) and 2-methoxyethyl(II)chlorides	remain		1) seems to be obsolete 2) maintain	remain	
110.5	Mercurial seed treatments containing mercury(II) chloride and/or iodide	remain		1) seems to be obsolete 2) maintain	remain	
110.6	Phenyl mercury(II) chloride	remain		1) seems to be obsolete 2) maintain	remain	
MT 111			was already obsolete	agree	was already obsolete	
MT 112			was already obsolete	agree	was already obsolete	
MT 113	Silanization of gas chromatographic columns	no longer supported		1) obsolete 2) agree	no longer supported	
113.1	Off column	no longer supported		1) obsolete 2) agree	no longer supported	
113.2	On column	no longer supported		1) obsolete 2) agree	no longer supported	
MT 114	Corrections for interfering peaks	no longer supported		1) obsolete 2) agree	no longer supported	
MT 115			was already obsolete		was already obsolete	
MT 116	Mercury(II) salts - characteristic reactions	no longer supported		1) no longer need it 2) agree	no longer supported	
116.1	Precipitation of sulphide	no longer supported		1) no longer need it 2) agree	no longer supported	
116.2	Deposition of mercury on copper	no longer supported		1) no longer need it 2) agree	no longer supported	
116.3	Reduction with tin(II) chloride	no longer supported		1) no longer need it 2) agree	no longer supported	
116.4	Precipitation of mercury(II) iodide	no longer supported		1) no longer need it 2) agree	no longer supported	
116.5	Precipitation of mercury(II) oxide with sodium hydroxide	no longer supported		1) no longer need it 2) agree	no longer supported	
116.6	Precipitation of ammonium mercury(II) chloride with ammonia solution	no longer supported		1) no longer need it 2) agree	no longer supported	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 117	Test for chloride	no longer supported		1) general simple methods. Tests can be useful in lab. 2) agree	no longer supported	
117.1	Liberation of chlorine	*ditto*		1) general method. Test can be useful in lab. 2) agree	no longer supported	
117.2	Precipitation of silver chloride	*ditto*		1) useful test (qualitative laboratory test for e.g. chlormequat chloride) 2) agree	no longer supported	
117.3	Formation of chromyl dichloride (CrOCl2)	*ditto*		1) general method. Test can be useful in lab. CrO2Cl2 is correct formula. 2) agree	no longer supported	
118.1	Liberation of iodine	no longer supported		1) general simple methods. Tests can be useful in lab. 2) agree	no longer supported	
118.2	Precipitation of silver iodide	no longer supported		1) general simple methods. Tests can be useful in lab. 2) agree	no longer supported	
118.3	Liberation of iodine	no longer supported		1) general simple methods. Tests can be useful in lab. 2) agree	no longer supported	
118.4	Precipitation of mercury(II) iodide	no longer supported		1) general simple methods. Tests can be useful in lab. 2) agree	no longer supported	
118.5	Precipitation of copper(I) iodide	no longer supported		1) general simple methods. Tests can be useful in lab. 2) agree	no longer supported	
MT 119			was already obsolete	agree	was already obsolete	
MT 120	Tests for phosphates	no longer supported		general simple methods. Tests can be useful in lab.	no longer supported	
121.1	Preparation of sample	no longer supported		1) general simple methods. Tests can be useful in lab. 2) agree	no longer supported	
121.2	Precipitation of silicic acid and evaluation of ammonia	no longer supported		1) general simple methods. Tests can be useful in lab. 2) agree	no longer supported	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
121.3	Formation of silicic acid gel	no longer supported		1) general simple methods. Tests can be useful in lab. 2) agree	no longer supported	
121.4	Precipitation of silver silicate	no longer supported		1) general simple methods. Tests can be useful in lab. 2) agree	no longer supported	
MT 122			was already obsolete	agree	was already obsolete	
MT 123			was already obsolete	agree	was already obsolete	
MT 124			was already obsolete	agree	was already obsolete	
MT 125			was already obsolete	agree	was already obsolete	
MT 126	Extractable acids	remain	valid FAO specification with reference to mercurial impurities (e.g. dichloprop and mecoprop)	1) FAO specifications e.g. 2,4 + dichlorprop, 2,4 D etc. 2) maintain	remain	
MT 127	Melting point of extractable acids	remain	valid FAO specification with reference to mercurial impurities (e.g. dichloprop and mecoprop).	1) simple cheap identification. DSC (differential scanning calorimetry) is possible to use. For identification of acids HPLC is more convenient. 2) maintain	remain	
MT 128			was already obsolete	agree	was already obsolete	
MT 129	Gas liquid chromatography of phenoxyalkanoic and other herbicides	no longer supported		1) obsolete 2) agree	no longer supported	
129.1	Preparation of solutions for methylation	no longer supported		1) obsolete 2) agree	no longer supported	
129.2	Methylation of acids	no longer supported		1) obsolete 2) agree	no longer supported	
129.3	Gas chromatography	no longer supported		1) obsolete 2) agree	no longer supported	
MT 130	Colorimetric tests for identifying certain alkylenebis(dithiocarbamates) in technical material and formulated products	remain		1) we still need it. 2) maintain	remain	
MT 131			was already obsolete	agree	was already obsolete	
MT 132			was already obsolete	agree	was already obsolete	
MT 133	Determination of nitrophenols - titanium(III) chloride method	no longer supported		1) obsolete 2) agree	no longer supported	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 134	Preparation of 2-pyridylamine (2-amino-pyridine) complexes of nitro compounds	no longer supported		1) obsolete 2) agree	no longer supported	
134.1	Technical nitrophenols	no longer supported		1) obsolete 2) agree	no longer supported	
134.2	Technical nitrophenol esters	no longer supported		1) obsolete 2) agree	no longer supported	
MT 135			was already obsolete	agree	was already obsolete	
MT 136			was already obsolete	agree	was already obsolete	
MT 137	Identification of urea herbicides	no longer supported		1) obsolete 2) agree	no longer supported	
MT 138			was already obsolete	agree	was already obsolete	
MT 139	Pour point of mineral oil	remain		1) we still need it. 2) maintain	remain	
MT 140			was already obsolete	agree	was already obsolete	
MT 141	Determination of free amines in urea herbicides	obsolete	not quoted in an existing FAO specification	1) obsolete 2) agree	obsolete	
MT 142	Detection and identification of impurities in substituted phenylurea herbicides	no longer supported		1) obsolete 2) agree	no longer supported	
MT 143			was already obsolete	agree	was already obsolete	
MT 144			was already obsolete	agree	was already obsolete	
MT 145	Active ingredients containing phosphorus	no longer supported		1) obsolete 2) agree	no longer supported	
MT 146	Oil content' of emulsifiable pesticide concentrates	no longer supported		1) obsolete 2) agree	no longer supported	
MT 147	Retention test for seed treatment powders used on cereal seeds	no longer supported		1) MT 194 superseded this method 2) agree	no longer supported	
MT 148	Pourability of suspension concentrates	remain	possible candidate for renewal/amendment	1) I think that the thixotropy is standard behaviour of SC formulations. Therefore shaking with the sample before the test is standard procedure. After standing for 24 h the properties change back due to thixotropy and the pourability (residue R, rinsed resi 2) maintain, work programm DAPF	remain	possible candidate for renewal/amendment

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
148.1	Pourability of suspension concentrates (revised method)	remain	*ditto*	1) the same as MT 148 2) maintain, work programm DAPF	remain	possible candidate for renewal/amendment
MT 149	Packing columns for gas chromatography	no longer supported		agree	no longer supported	
MT 150			was already obsolete	1) not needed 2) agree	was already obsolete	
MT 151	Determination of TCDD in 2,4,5-T	remain		1) we still need it 2) maintain	remain	
151.1	TCDD in 2,4,5-T technical	remain		1) we still need it 2) maintain	remain	
151.2	TCDD in 2,4,5-T technical esters	remain		1) we still need it 2) maintain	remain	
MT 152	Identification of amines	no longer supported		1) obsolete 2) agree	no longer supported	
153.1	Liquids	remain	*ditto*	1) the same as MT 153 2) maintain, work programm DAPA	remain	possible candidate for renewal/amendment
153.2	Solids	remain	*ditto*	1) the same as MT 153 2) maintain, work programm DAPA	remain	possible candidate for renewal/amendment
MT 154	Identification of dithiocarbamate anions	remain		1) simple clever method. 2) maintain, work programm DAPA	remain	
154.1	Zinc dithiocarbamates - Identification by TCL	remain		1) simple clever method. HPTLC chromatography can be used as alternative. 2) maintain, work programm DAPA	remain	
MT 155	Analytical HPLC method for determination of phenolic impurities in phenoxy-alkanoic herbicides	remain		1) useful method 2) maintain, work programm DAPA	remain	
155.1	Ultraviolet detector method	remain		1) useful method 2) maintain, work programm DAPA	remain	
155.2	Electrochemical detector method	no longer supported		1) obsolete 2) agree	no longer supported	
MT 156			was already obsolete	agree	was already obsolete	
157.1	Preliminary test	remain		1) Alternative to OECD 105 2) maintain	remain	EEC/OECD to cite as additional literature
157.2	Column elution method (Solubility less than 10.2 g/l)	remain		1) Alternative to OECD 105 2) maintain	remain	EEC/OECD to cite as additional literature

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
157.3	Flask Method (Solubility above 10.2 g/l)	remain		1) Alternative to OECD 105 2) maintain	remain	EEC/OECD to cite as additional literature
MT 158	Determination of mercury on treated seeds	no longer supported		1) Simple nice method. Is mercury stll allowed to used for seed treatment? 2) agree	no longer supported	
MT 159	Pour and tap bulk density of granular materials	obsolte	superseded by MT 186	1) obsolete method. Nowdays commercial Tap Density Testers which fulfile USP, EP and ASTM requirements are available on the market e.g.Sotax TD 1 2) no longer supported (should not be obsolete)	no longer supported	
MT 160	Spontaneity of dispersion of suspension concentrates	remain	possible candidate for renewal/amendment	1) incorrect quotation: Apparatus …. See Fig.51 instead of See Fig.50). 2) maintain, work programm DAPF	remain	possible candidate for renewal/amendment
MT 161	Suspensibility of aqueous suspension concentrates	not longer supported	figure 50 has to be amended and transferred to MT 47.3	1) New MT 184 2) agree	no longer supported	
162.1	HPLC method (Referee method)	remain	possible candidate for renewal/amendment	maintain, work programm DAPA	remain	possible candidate for renewal/amendment Errata needs to be taken up
162.2	Paper chromatographic method	no longer supported		1) obsolete 2) agree	no longer supported	
MT 163	Identity tests for permethrin, cyper-methrin and fenvalerate	remain	However, no longer supported with respect to the identity test of permethrin	maintain	remain	
MT 164	Identity tests for Pirimicarb, Bupirimate, Ethirimol, Pirimiphos-methyl and Pirimiphos-ethyl	remain		maintain	remain	
MT 165	Ultraviolet absorption test for evaluation of ethylenebis(dithiocarbamate)	obsolete or possible candidate for renewal/amendment	not quoted in an existing FAO specification	1) This method is not very specific 2) Implement Errata into updated MT in new Handbook, to be discussed in DAPA	remain	possible candidate for renewal/amendment Errata needs to be taken up

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 166	Sampling of water dispersible granules			1) useful method 2) maintain	remain	
MT 167	Wet sieving after dispersion of water dispersible granules	obsolte	superseded by MT 185	1) New method MT 185 2) no longer supported (should not be obsolete) 3) "Should be ""no longer supported"" for it is mentioned in existing FAO specs (not checked)"	no longer supported	Is is mentioned in valid FAO specifications (checked by CIPAC)
MT 168	Determination of the suspension stability of water dispersible granules	obsolte	superseded by MT 184	1) New method Mt 184. Obsolete and not chemical objective method 2) no longer supported (should not be obsolete) 3) "Should be ""no longer supported"" for it is mentioned in existing FAO specs (not checked)"	no longer supported	Is is mentioned in valid FAO specifications (checked by CIPAC)
169.1	Standard-method	obsolte	ditto	1) obsolete method. Nowdays commercial Tap Density Testers which fulfile USP, EP and ASTM requirements are available on the market e.g.Sotax TD 1 2) no longer supported (should not be obsolete)	no longer supported	Is is mentioned in valid FAO specifications (checked by CIPAC)
169.2	Method with dry substance jolting volumeter	not longer supported		1) New method MT 186 2) no longer supported (should not be obsolete)	no longer supported	Is is mentioned in valid FAO specifications (checked by CIPAC)
MT 170	Dry sieve analysis of water dispersible granules	remain		1) useful method 2) CIPAC comment is 'remain' but here this method need to be expanded from WG by adding GR and SG	remain	
MT 171	Dustiness of granular products	remain		1) useful method 2) maintain	remain	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 172	Flowability of water dispersible granules after heat test under pressure	open	possible candidate for renewal/amendment DAPF has provided a proposal to CIPAC DAPF: MT 172.1 should supersedes MT 172. The method MT 172.1 presented in Ljubiljana has been accepted as provisional.	1) useful method 2) MT 172 no longer supported, MT 172.1 as presented in Ljubijana	remain	possible candidate for renewal/amendment
MT 173	Colorimetric method for determination of the stability of dilute emulsions	remain	possible candidate for renewal/amendment	1) Limitations of the method are important. 2) maintain, no measurement of a.s. content	remain	possible candidate for renewal/amendment
MT 174	Dispersibility of water dispersible granules	remain	no additional information by determination of the ai. Max RC not relevant. Water D was chosen for the sake of standardisation.	1) There is now agreement in ESPAC that the Gravimetric Method is appropriate. 2) clear and useful method 3) maintain, no measurement of a.s. content 4) max. RC is relevant	remain	
MT 175	Determination of seed-to-seed uniformity of distribution for liquid seed-treatment formulations	remain	no additional information by determination of the ai.	1) For determination of distribution of uniformity this method is quite sufficient 2) maintain	remain	
MT 176	Dissolution rate of water soluble bags	remain	possible candidate for renewal/amendment	maintain, work programm DAPF	remain	possible candidate for renewal/amendment
MT 177	Suspensibility of water dispersible powders (Simplified method)	obsolete	superseded by MT 184	1) New method MT 184 2) no longer supported (should not be obsolete)	no longer supported	
MT 178	Attrition Resistance of granules	remain		1) useful method 2) maintain	remain	
178.2	Attrition Resistance of dispersible granules	remain	Is it possible to combine it with MT 193?	1) useful method 2) maintain, not possible to combine with MT 193, different equipment and calculation	remain	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 179	Dissolution degree and solution stability	remain	possible candidate for renewal/amendment DAPF is going to develop a new MT method for the solution stability of tablets	1) Changing 25°C to 30°C would be good, time 24 h - harmonisation with MT 41 2) maintain, work programm DAPF	remain	possible candidate for renewal/amendment
MT 180	Dispersion stability of suspo-emulsions	remain	possible candidate for renewal/amendment	1) be careful with selection formulations 2) Change scope to SE, OD and DC. Delete Note 1.	remain	possible candidate for renewal/amendment
MT 181	Solubility in organic solvents	remain EEC/OECD to cite as additional literature		1) useful method for example for registration purposes 2) maintain	remain	EEC/OECD to cite as additional literature
MT 182	Wet sieving using recycled water	remain	possible candidate for renewal/amendment	1) This method is a viable alternative to MT 185 in situations where pesticide contaminated water must be kept to an absolute minimum. 2) It is good method which generates low amounts of wastewater. 3) maintain	remain	possible candidate for renewal/amendment
MT 183	The use of the agrochemical emulsion tester (AET) for the determination of the stability of dilute emulsions	no longer supported		1) no many lab has this tester. It is much cheaper to use method MT 36.3 2) agree	no longer supported	
MT 184	Suspensibility of formulations forming suspensions on dilution with water	remain	The DAPF is in the meantime of the opinion that the method is not applicable for FS formulations since it has no practical relevance.	1) insetad of water bath is better use laboratory termostate 2) maintain; Applying this test to FS formulations, at highest and lowest use rates, means that the concentrations tested will be well outside of the scope. This method is not relevant in practice for FS formulations	remain	possible candidate for renewal/amendment
MT 185	Wet sieve test	remain		1) useful method 2) maintain	remain	

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 186	Bulk density	remain		1) Figure 19 Tap density aparatus should be good to add. Nowdays commercial Tap Density Testers are available on the market. E.g. Sotax TD 1. 2) maintain	remain	
MT 187	Particle size analysis by laser diffraction	remain	Errata needs to be taken up	1) method OK. Comment to JAPAC, in Outline of the method is specified " …volumetric particle size distribution." Method therefore recomment to use for calculation volume of the particle. 2) Implement Errata into updated MT in new Handbook.	remain	Errata needs to be taken up
MT 188	Determination of free parathion-methyl in CS formulations	remain		1) useful method 2) maintain	remain	
MT 189	Determination of free lambda-cyhalothrin in CS formulations	remain		1) useful method 2) maintain	remain	
MT 190	Determination of release properties of lambda-cyhalothrin CS formulations	remain	Errata needs to be taken up	1) useful method 2) Implement Errata into updated MT in new Handbook.	remain	Errata needs to be taken up
MT 191	Acidity and alkalinity of formulations	remain		1) for products which are dissolved or dispersed in water. 2) maintain	remain	
MT 192	Viscosity of liquids by rotational viscometry	remain	possible candidate for renewal/amendment	1) MT 191 - shear rates range from 20 to 200 s-1 represent normal handling conditions (like shaking or stirring) and are therefore most relevant for common practise in the field. Also there should be specified which math model was used for calculation dynamic viscosity (e.g.Newtonian, Bingham, Herschel Bulkley etc.). If kinematic viscosity is needed it is easy to calculate it from dynamic viscosity. 2) maintain, see Handbook M	remain	possible candidate for renewal/amendment

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 193	Friability of tablets	remain	Errata needs to taken up and DAPF has provided a proposal for amending the method to CIPAC	1) useful method 2) maintain, as presented in Ljubiljana	remain	possible candidate for renewal/amendment Errata needs to taken up
MT 194	Adhesion to treated seeds	remain		1) method works with reasonable results 2) maintain	remain	