

Method	Title	Proposal CIPAC	Remarks	Comments after 54. CIPAC Meeting	Decision CIPAC	Further action / comment
MT 4			was already obsolete	agree	was already obsolete	
15.1	CIPAC method	obsolete	superseded by MT 184	1) no longer supported (should not be obsolete) 2) Should be "no longer supported" for it is mentioned in existing FAO specs	no longer supported	
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 19	Phosphate buffer solutions	not longer supported		1) not needed method 2) agree	no longer supported	
MT 20	Stability of dilute emulsion	obsolete	superseded by MT 36.3	1) old method.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	
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 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	

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30.1	Karl Fischer method	obsolete	superseded by MT 30.5	1) obsolete method. Unstable chemicals 2) agree	obsolete	
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 Superseded by MT 30.5 with special solvents and titrants. 2) agree	no longer supported	
MT 33	Tap density	obsolete	superseded by MT 186. Fig 19 needs to be included in MT 186 or MT 58.4.	1) obsolete method. Nowadays commercial Tap Density Testers which fulfill 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	
36.1	Five per cent v/v oil phase	obsolete	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	obsolete	ditto	1) no longer supported (should 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 mentioned in valid FAO specifications (checked by CIPAC)
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	

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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	obsolete	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	obsolete	ditto	1) superseded by MT 39.3 2) Should be "no longer supported" for it is mentioned in existing FAO specs	no longer supported	
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 42	Particle size of copper and sulphur products	obsolete	superseded by MT 187	1) obsolete method. MT 187, instruments commercially available 2) agree	obsolete	
42.1	Formulations without carriers	obsolete	ditto	1) obsolete method. MT 187, instruments commercially available 2) agree	obsolete	
42.2	Formulations containing carriers	obsolete	ditto	1) obsolete method. MT 187, instruments commercially available 2) agree	obsolete	
MT 43	Particle size distribution of DDT wettable powders	obsolete	ditto	1) obsolete method. MT 187, instruments commercially available 2) agree	obsolete	
46.1	General method	obsolete	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	
47.1	Persistent foam	obsolete	superseded by MT 47.2	1) obsolete 2) Should be "no longer supported" for it is mentioned in existing FAO specs	no longer supported	
MT 50	Alumina	no longer supported		1) obsolete method 2) agree	no longer supported	
58.1	Sampling	not longer supported		1) MT 166 looks applicable to solid formulations. 2) agree	no longer supported	

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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	
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	<i>ditto</i>		1) obsolete, better MT 170 2) no longer supported (should not be obsolete)	no longer supported	
59.2	Granular products	<i>ditto</i>		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 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	

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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 70			was already obsolete	agree	was already obsolete	
MT 72			was already obsolete	agree	was already obsolete	
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	
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 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	

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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 85			was already obsolete	agree	was already obsolete	
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	

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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	
98.2	Atomic absorption spectrophotometric 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)
100.1	In mercurials	no longer supported		1) mercurial chlorides are not nowadays 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	
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 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	

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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	
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	<i>ditto</i>		1) general method. Test can be useful in lab. 2) agree	no longer supported	
117.2	Precipitation of silver chloride	<i>ditto</i>		1) useful test (qualitative laboratory test for e.g. chlormequat chloride) 2) agree	no longer supported	
117.3	Formation of chromyl dichloride (CrOCl ₂)	<i>ditto</i>		1) general method. Test can be useful in lab. CrO ₂ Cl ₂ 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	

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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	
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 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	

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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 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	
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 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 149	Packing columns for gas chromatography	no longer supported		agree	no longer supported	

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MT 150			was already obsolete	1) not needed 2) agree	was already obsolete	
MT 152	Identification of amines	no longer supported		1) obsolete 2) agree	no longer supported	
155.2	Electrochemical detector method	no longer supported		1) obsolete 2) agree	no longer supported	
MT 156			was already obsolete	agree	was already obsolete	
MT 158	Determination of mercury on treated seeds	no longer supported		1) Simple nice method. Is mercury still allowed to be used for seed treatment? 2) agree	no longer supported	
MT 159	Pour and tap bulk density of granular materials	obsolete	superseded by MT 186	1) obsolete method. Nowadays commercial Tap Density Testers which fulfill 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 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	
162.2	Paper chromatographic method	no longer supported		1) obsolete 2) agree	no longer supported	
MT 167	Wet sieving after dispersion of water dispersible granules	obsolete	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 mentioned in valid FAO specifications (checked by CIPAC)
MT 168	Determination of the suspension stability of water dispersible granules	obsolete	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 mentioned in valid FAO specifications (checked by CIPAC)

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169.1	Standard-method	obsolete	ditto	1) obsolete method. Nowadays commercial Tap Density Testers which fulfill 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 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 mentioned in valid FAO specifications (checked by CIPAC)
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 183	The use of the agrochemical emulsion tester (AET) for the determination of the stability of dilute emulsions	not longer supported		1) no many lab has this tester. It is much cheaper to use method MT 36.3 2) agree	no longer supported	