

## List of EEC Council Directive 91/414/EEC Annex III Physical, Chemical and Technical Properties Testing for Plant Protection Product

91/414/EEC Annex III Part No.	Description of Test	OECD / EC / CIPAC Test Method
2.1	Appearance	EPP SOPs
2.2	Explosivity	OJEC A14
2.2	Oxidizing Properties (Solids) / (Liquids)	OJEC A17 / OJEC A21
2.3	Flash-Point	OJEC A9 CIPAC MT12
2.3	Flammability (Solids)	OJEC A10
2.3	Flammability (Gases)	OJEC A11
2.3	Flammability (Contact with Water)	OJEC A12
2.3	Auto-Ignition Temperature (Liquids and Gases)	OJEC A15
2.3	Relative Self-Ignition Temperature for Solids	OJEC A15
2.3	Pyrophoric Properties of Solids and Liquids	OJEC A13
2.4	Acidity / Alkalinity	CIPAC MT191 (acidity of formulations) MT31 (Free acidity/alkalinity)
2.4	pH	CIPAC MT75
2.5	Viscosity	OECD 114
2.5	Surface Tension	OECD 115 / OJEC A5
2.6	Relative Density	OECD 109 / OJEC A3 / MT186 (Bulk Density) MT58.4 (Apparent Density) MT159 (Pour Density) MT33 (Tap Density - Powder) MT169 (Tap Density - WG) MT3.3 (Specific Gravity / Density of Suspension Concentrate Formulation)
2.7	Storage Stability and shelf-life (includes additional phys-chem testing after storage)	CIPAC MT46 (Accelerated) CIPAC MT39 (Cold Temperature) EPP SOPs (Long Term Storage)
2.8.1	Wettability	MT53
2.8.2	Persistent Foaming	MT47
2.8.3	Suspensibility, Suspension Stability Dispersibility, Dispersion Stability	MT15.1 (Wettable Powder), MT161 (Suspension Concentrate), MT168 (Water Dispersible Granule), MT177 (Water Dispersible Powder) MT184 (Suspensibility of formulations forming suspensions diluted in water), MT160 (Spontaneity of Dispersion SC) MT174 (Dispersibility of Water Dispersible Granules)

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2.8.4	Wet Sieve / Dry Sieve Test	MT185 (Wet Sieve Test) MT167 (Wet Sieve after dispersion) MT182 (Wet Sieve Recycled Water) MT59.1 (Dustable Powders) MT58 (Granular Formulations) MT170 (Dry Sieve Analysis)
2.8.5	Particle Size Distribution, content of dust, attrition and friability	OECD 110 (Particle Size Distribution) MT187 (Laser Diffraction) MT42 (Particle size of copper / sulphur containing compounds) MT59.2 (Sieve Analysis) MT58 (Dust Content) MT171 (Dustiness) MT178 (Attrition Resistance) MT193 (Friability)
2.8.6	Sieve test and indication of weight distribution	OECD 110 (Particle Size Distribution) MT59.2 (Sieve Analysis)
2.8.7	Content of active substance in or on bait, granule, seed	EPP SOPs
2.8.8	Emulsifiability, Re-emulsification, emulsion stability	MT36 (Emulsion Characteristics) MT20 (Dilute Emulsion Stability) MT180 (Dispersion Stability of Suspo-Emulsion) MT173 (Stability of Dilute Emulsions (colorimetric)) MT146 (Oil content of Emulsifiable Concentrates)
2.8.9	Flowability, Pourability, Dustability	MT172 (Flowability Water Dispersible Granules) MT44 (Flowability Powders) MT148.1 (Pourability) MT171 (Dustiness) MT34 (Dustability after storage)
2.9	Physical Compatibility with other products	CIPAC MT46 EPP SOPs
2.10	Wetting, adherence and distribution to target plants	MT53 (Wettability) MT176 (Dissolution rate of water soluble bags) MT179 (Degree of Dissolution and solution stability) MT83 (Adhesion to seeds) MT41 (Solution Stability of all aqueous solutions) MT147 (Retention of seed treatment Powders) MT23 (Miscibility with hydrocarbon oil)