



ANADIAG Group

Breadth of coverage, Depth of knowledge

Phys-Chem



LIST OF TESTS CURRENTLY AVAILABLE

Other tests or studies can be supplied upon request (unusual compounds or test conditions)

EEC

- EEC A1 Melting / freezing point (OECD 102; OPPTS 830.7200)
- EEC A2 Boiling point (OECD 103; OPPTS 830.7220)
- EEC A3 Relative density of solids or liquids (OECD 109; OPPTS 830.7300; NF T20-049)
- EEC A4 Vapour Pressure (OECD 104; OPPTS 830.7950), gas saturation method, vapour pressure balance.
- EEC A5 Surface Tension (OECD 115)
- EEC A6 Water solubility (column elution method; shake flask method) (OECD 105; OPPTS 830.7840)
- EEC A8 Partition coefficient (n-octanol / water): shake flask method (OECD 107; OPPTS 830.7550); HPLC method (OECD 117; OPPTS 830.7570)
- EEC A9 Flash point (ISO 3679)
- EEC A10 Flammability of solids (OPPTS 830.6315)
- EEC A11 Flammability of gas
- EEC A12 Flammability in contact with water
- EEC A13 Pyrophoric properties of solids and liquids (Flammability in contact with air)
- EEC A14 Explosive properties (OPPTS 830.6316)
- EEC A15 Auto-ignition temperature (liquids)
- EEC A16 Relative Self ignition temperature of solids
- EEC A17 Oxidizing properties (solids)
- EEC A21 Oxidizing properties (liquids)



OECD, OPPTS, NF, PSD

- Hydrolysis as a function of pH (OECD 111)
- UV-Visible absorption spectra (OECD 111 ; OPPTS 830.7050)
- Absorption / desorption (OECD 106)
- Particle size distribution / Particle size distribution by laser diffraction (OECD 110 ; OPPTS 830.7520)
- Dissociation constant in water (OECD 112 ; OPPTS 830.7370)
- Viscosity of liquids (OECD 114 ; OPPTS 830.7100)
- Phototransformation of chemicals in water – Direct photolysis (OECD 316)
- Stability to normal and elevated temperatures, metals and metal ions (OPPTS 830.6313)
- Oxidation/ reduction : chemical incompatibility (OPTTS 830.6314)
- Storage stability (OPPTS 830.6317)
- Corrosion characteristics (OPPTS 830.6320 & ASTM G31-72)
- Solubility in organic solvents
- Transformation, dissolution (OECD 29)
- Effectiveness of cleaning (PSD efficacy guideline 305)
- Stability in air
- Stability of packaging and “packaging/preparation” interaction
- Appearance
- Hydrolysis rate (OECD 111)

- Shelf life of plant protection products (Crop Life International monograph n°17)

PPP (1107/2009)

GLP

MSDS (91/115/EEC)

PHYS-CHEM TEST LIST

Biocides (EU 528/2013)

REACH (1907/2006/EEC)

CIPAC

- MT 3 Density (Hydrometer, pycnometer, stereopycnometer, ...)
- MT 6 Material insoluble in hexane
- MT 7 Material soluble in ethanol
- MT 9 Material soluble in water
- MT 10 Material insoluble in water
- MT 11 Material insoluble in xylene
- MT 15 Suspensibility of wettable powders in water
- MT 17 Loss in weight
- MT 22 Viscosity
- MT 27 Material insoluble in acetone
- MT 29 Sulphated ash
- MT 30 Water content
- MT 31 Free acidity or alkalinity
- MT 32 Determination of conductivity
- MT 36 (MT 36.3) Emulsion characteristics of emulsifiable concentrates
- MT 39 (MT 39.3) Stability of liquid formulations at 0 °C
- MT 41 Dilute stability of herbicide aqueous solutions
- MT 46 (MT 46.3) Accelerated storage procedure (54°C, 40°C, 35°C, ...)
- MT 47 (MT 47.2) Persistent foaming
- MT 48 Stability of undiluted tar oil products
- MT 51 Stability of undiluted tar - petroleum and petroleum oil products
- MT 53 Wettability
- MT 54 Stability of undiluted petroleum oil formulations including those containing DNOC and tar products

- MT 75 (MT 75.3) Determination of pH values
- MT 148 Pourability of suspension concentrates
- MT 157 Water solubility
- MT 160 Spontaneity of dispersion of suspension concentrates
- MT 166 Sampling of water dispersible granules
- MT 170 Dry sieve analysis of water dispersible granules
- MT 171 Dustiness of granular products
- MT 172 Flowability of water dispersible granules after heat test under pressure
- MT 173 Colorimetric method for determination of the stability of dilute emulsions
- MT 174 Dispersibility of water dispersible granules
- MT 175 Adherence and distribution to seeds
- MT 176 Dissolution rate of water soluble bags
- MT 178 Attrition resistance of granules
- MT 179 Dissolution degree and solution stability of water soluble granules
- MT 180 Dispersion stability of suspo-emulsions
- MT 181 Solubility in organic solvents
- MT 182 Wet sieving using recycled water
- MT 184 Suspensibility of formulations forming suspensions on dilution in water
- MT 185 Wet sieve test
- MT 186 Bulk density
- MT 187 Particle size analysis by laser diffraction
- MT 191 Acidity or alkalinity of formulations
- MT 192 Viscosity of liquids by rotational viscometry
- MT 193 Friability of tablets