



## Product Information Sheet

### F3178 Fast Green FCF

Synonyms: Green 1724, Solid Green FCF, C.I. 42053  
CAS: 2353-45-9  
Formula:  $C_{37}H_{34}N_2O_{10}S_3Na_2$   
Mol. Weight: 808.85

#### Properties

Form: Powder  
Appearance: Dark Green to Brown  
Solubility: Soluble in Water  
Application: Seed Testing  
Storage Temp: Room Temperature  
Typical Working Concentration: Varies with application, should be determined by end user.

#### Application Notes

The Fast Green stain is used in seed testing to determine the pericarp integrity (Koehler 1957). Koehler used a 0.1% solution of fast green applied to maize seeds to stain the seeds for seed coat damage (1957). After a short soak of 15-30 seconds, the seeds are washed and analyzed for damage.

Fast green is also commonly used to stain plant tissues in conjunction with safranin O.

#### References

Koehler B (1957) Pericarp injuries in seed corn. Bull. No. 617:1-72. Illinois Agric. Exp. Stn., Urbana, IL.

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