

Product Information

TECHNICAL DATA SHEET / Specification Sheet

Fast green FCF

Synonym	: Food green 3
Molecular Formula	: $C_{37}H_{34}N_2O_{10}S_3Na_2$
Molecular Weight	: 808.85
CAS No.	: 2353-45-9
Colour Index No.	: 42053
Shelf Life	: 5 years

Technical Specification

Appearance	: Red to maroon powder
Solubility	: 20 ppm in 50% ethanol yields clear solution
FTIR (KBr disc)	: Matches with the standard pattern
Absorption maxima	: 622 - 626 nm (20 ppm in 50% ethanol)
Molar absorptivity	: 1360 - 1610 ($c = 20\text{ppm}$ in 50% ethanol at 622 - 626nm)
Loss on drying (at 105°C, 2hr)	: $\leq 10.0\%$