

Product Information

TECHNICAL DATA SHEET / Specification Sheet

Orange G

Synonym	: Acid Orange 10; 7-Hydroxy-8-phenylazo-1,3- naphthalene disulphonic acid
disodium salt	
Molecular Formula	: $C_{16}H_{10}N_2O_7S_2Na_2$
Molecular Weight	: 452.37
CAS No.	: 1936-15-8
Colour Index No.	: 16230
Shelf Life	: 5 years

Technical Specification

Appearance	: Orange to red powder.
Solubility	: 20 ppm in water yields clear orange to red-orange solution
FTIR (KBr disc)	: Matches with the standard pattern
Absorption maximum	: 477 - 485 nm (20 ppm in water)
Molar absorptivity	: ≥ 440 ($c = 20$ ppm in water, at 477 - 485 nm)
Loss on drying (at 110°C, 1hr)	: $\leq 10\%$