



**AMAPLAST® Yellow G1**  
Solvent Yellow 114



**Regulatory Information:**

CAS Registry Number: 7576-65-0  
 TSCA (US): Registered  
 EINECS No. (EC): 231-474-9  
 DSL (Canada): Registered  
 ECL (Korea): KE-07613  
 ENCS (Japan): 5-2353  
 Purity Requirements: Heavy metals content and free primary amine content do not exceed the limits of CONEG, Toy Regulation EN 71/3, European Resolution AP(89)I, and German BfR Recommendation IX (purity of colorants for plastics).  
 Halogen Content: Halogen free compound

**Food Contact Information:**

FDA Status: FDA compliant for use in PET and PETG (CHDM <5%) at loadings less than or equal to 0.20% (Conditions C-G)  
 China Positive List: Compliant with GB9685-2016 at loadings less than or equal to 0.20% in ABS, AS, PC, PET, and PS.  
 French Positive: Listed

**Use:**

**Suitable Resins:**  
 ABS, Acrylic, PBT, PET, PC, Polyetherimide, and Polystyrene  
**Heat Stable:**  
 to 700°F/370°C for 5 minutes

**Specifications:**

Strength: 97.5% minimum      Shade:  $\Delta E$  (CIE Lab) = 1.5 maximum  
 Insolubles: 0.50% maximum      Melting Point: 264 - 265°C

**Heavy Metals Assay:** (in ppm)

Antimony <2.00	Iron <6.00
Arsenic <1.00	Lead <2.00
Cadmium <2.00	Mercury <2.00
Chromium <2.00	Selenium <2.00
Copper <0.60	Zinc <10.0

**Solubility Data:**

(in grams per 100g of solvent)

Acetone	0.05
Ethanol	< 0.01
Xylene	0.13

**Lightfastness (ISO 4892-2):**

PS	Masstone	8	(0.05% Dye)
	Tint	7-8	(0.05% Dye + 1.0% TiO2)
PC	Masstone	7-8	(0.05% Dye)