



# AMAPLAST® Red BSR



### Regulatory Information:

CAS Registry Number: Proprietary  
 TSCA (US): Compliant via a Low Volume Exemption  
 EINECS No. (EC): Registered  
 IECSC (China): Registered on the confidential inventory  
 REACH: Low volume exemption (< 1MT/year)  
 ENCS (Japan): Registered  
 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

**FDA Status:** FDA compliant for use in PET and PETG (<5% CHDM) at loadings less than or equal to 0.20% (Conditions C-G)

### Use:

**Suitable Resins:**  
 ABS, Acrylic, PBT, PC, PET, PSU, Polyetherimide, and Polystyrene  
**Heat Stable:**  
 to 750°F/400°C for 5 minutes

### Specifications:

Strength:	97.5% minimum	Shade:	ΔE (CIE Lab) = 1.5 maximum
Insolubles:	0.5% maximum	Moisture (LOD):	0.2% maximum
Melting Point:	275°C		

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

Antimony <2.00	Iron <10.0
Arsenic <1.00	Lead <0.05
Cadmium <0.10	Mercury <0.03
Chromium <1.50	Selenium <2.00
Copper <1.10	Zinc <2.00

**Solubility Data:**  
(in grams per 100g of solvent)

Acetone	1.40
Ethanol	0.05
Xylene	3.10

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

PS	Masstone:	8	(0.05% Dye)
	Tint:	7	(0.05% Dye + 1.0% TiO <sub>2</sub> )
PC	Masstone:	7	(0.05% Dye)