



AMAPLAST® Blue R3

Solvent Blue 104



Regulatory Information:

CAS Registry Number: 116-75-6
 TSCA (US): Registered
 EINECS No. (EC): 204-155-7
 DSL (Canada): Registered
 German BfR: No staining at 0.1% of the dye in PS, PET, ABS, PC, PBT, PVC-U, and PMMA
 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 (<5% CHDM) 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, PA, PC, PET, PPE, and PS.
 French Positive: Listed

Use:

Suitable Resins:
 ABS, Acrylic, PBT, PC, PET, PSU, Polyetherimide, and Polystyrene
Heat Stable:
 to 650°F/345°C for 5 minutes

Specifications:

Strength: 97.5% minimum Shade: ΔE (CIE Lab) = 1.5 maximum
 Moisture (LOD): 0.2% maximum Melting Point: 241°C
 Insolubles: 0.5% maximum

Heavy Metals Assay: (in ppm)	
Antimony <2.00	Iron <10.0
Arsenic <1.00	Lead <2.00
Cadmium <2.00	Mercury <2.00
Chromium <2.00	Selenium <100
Copper <1.00	Zinc <1.00

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

Acetone	2.1
Ethanol	0.15
Xylene	14.0

Lightfastness (ISO 4892-2):

PS	Masstone:	7	(0.05% Dye)
	Tint:	6	(0.05% Dye + 1.0% TiO ₂)
PC	Masstone:	6	(0.05% Dye)