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### Certificate of Analysis

Product Code / Trade Name: Orange Yellow 245Y Batch Code: 150527				
Assay (INCI)	CAS No.	Spec. Values	Batch Values	Method
Polyester-3	68258-82-2	98-99%	98.20%	Manufacturer
Yellow 5	12225-21-7	1-2%	1.80%	Manufacturer
Particle size (80% within the range 10.60µm)				
		Confirms	Confirms	Laser diffraction
Particle size (d50)				
		2µm	1-2µm	Laser diffraction
pH-value (4% H <sub>2</sub> O)				
		6-9	7.2	ISO 787-9
Loss on drying (105C)				
		≤0.5%	≤0.5%	ISO 787-9
Heavy metals				
As		≤ 2 ppm	≤ 2 ppm	Manufacturer
Ba		≤ 50 ppm	≤ 50 ppm	Manufacturer
Cd		≤ 3 ppm	≤ 3 ppm	Manufacturer
Cr		≤ 20 ppm	≤ 20 ppm	Manufacturer
Cu		≤ 50 ppm	≤ 50 ppm	Manufacturer
Hg		≤ 1 ppm	≤ 1 ppm	Manufacturer
Ni		≤ 10 ppm	≤ 10 ppm	Manufacturer
Pb		≤ 5 ppm	≤ 5 ppm	Manufacturer
Sb		≤ 1 ppm	≤ 1 ppm	Manufacturer
Zn		≤ 50 ppm	≤ 50 ppm	Manufacturer
Visual and colorimetric evaluation				
		Confirms	Confirms	Manufacturer
Microbiological purity				
Microorganisms		100CFU/g	100CFU/g	Manufacturer
Ph.Eur.U.SP XXII		No Pathogens	No Pathogens	Manufacturer
MANUFACTURER NOTE - It is hereby confirmed that the delivered goods have been examined and are in accordance with our confirmation of order.				
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End of CoA