

## Certificate of Analysis

Product Code: MMI – Fluorescent Pigment 245Y				
Trade Name: Orange Yellow 245Y				
Supplier: Mineral Makeup Ingredients				
Batch No.: #190122				
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 1-2µm)		confirms 2µm	confirms 1-2µm	laser diffraction 1- laser diffraction
pH-value		6-9	7.2	ISO787-9
Loss on drying(105°C)		≤0.5%	≤0.5%	ISO787-9
Heavy metals				
As		≤2 ppm	≤2 ppm	Manufacturer
Ba		≤50 ppm	≤50 ppm	Manufacturer
Cd		≤3 ppm	≤3 ppm	Manufacturer
Cr		≤100 ppm	≤100 ppm	Manufacturer
Cu		≤50 ppm	≤50 ppm	Manufacturer
Hg		≤1 ppm	≤1 ppm	Manufacturer
Ni		≤10 ppm	≤10 ppm	Manufacturer
Pb		≤10 ppm	≤10 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.USP XXII		No Pathogens	No Pathogens	Manufacturer
<p>Manufacturer Note = It is hereby confirmed that the delivered goods have been examined and they are in accordance with our confirmation of order.</p>				