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CERTIFICATION OF ANALYSIS (Representative Sample)

COLORONA BORDEAUX COSMETIC PIGMENT

ANALYTICAL DATA		5	SOP's	SPECS		RESULTS
Color and Appearance		ı	Merck KGaA	Conforms		Conforms
Content of Mica * Content		ı	Merck KGaA	45.0 -5	4.0	49.6%
of Fe2O3		ı	Merck KGaA	46.0 -5	55.0	50.4 %
pH (10 % Suspension)		I	ISO 787-9	3.0 -7	' .0	3.7
Particle size distri (80% within 10-60	bution	I	Laser diffraction	Conforms		Conforms
Median particle size (I	Laser diffraction	18.0 -2	5.0	21.6
Loss on Drying (2 hrs, 105 degrees C)		N	Merck KGaA	=0.5</td <td><!--= 0.5</td--></td>		= 0.5</td
Microbial Purity			USP or EP or JP			
Total Viable Aerobic Count E. coli Pseudomonas aeruginosa Staphylococcus aureus Salmonella species Gram negative bacteria Candida albicans Heavy Metals						< 100 CFU/g Absent in 1g Absent in 1g Absent in 1g Absent in 10g Absent in 1g Absent in 1g
			Modified CTFA/Int			
Arsenic	< 2 ppm	Barium	< 50 ppm	Cadmium	< 3 ppm	
Chromium	< 100 ppm	Copper	< 50 ppm	Mercury	< 1 ppm	
Nickel	< 10 ppm	Lead	< 10 ppm	Antimony	< 1 ppm	
Zinc	< 50 ppm					

This material does not contain organic colorants

The color additives in this material meet all applicable purity requirements of the FDA(21 - CFR), the E C and Japan for cosmetic use This document has been produced electronically and bears no signature