



Certificate of Analysis
(Representative Sample Certificate)

TKB Trading
939 E 11th St
Oakland, CA 94606
Tel: (510)451-9011
www.tkbtrading.com

Product Code: YPC-335200

Trade Name: Black Oxide Pigment

Batch No.: Not Available (data may vary slightly with different lots or batches)

Assay(INCI) Cas No.	Spec.Values	Batch Values	Method
1317-61-9	97.0-100.0 %	99.90%	
Black Oxide Pigment			
Form	dry powder	dry powder	
pH-value(10%aqueous slurry)	6--9	7.6	ISO787-9
Loss on drying (105°C)	≤0.5%	≤0.5%	ISO787-2
Heavy metals			
As	≤3 ppm	≤3 ppm	
Ba	≤10ppm	≤10 ppm	
Cd	≤1 ppm	≤1 ppm	
Cr	≤5 ppm	≤5 ppm	
Cu	≤50 ppm	≤50 ppm	
Hg	≤1 ppm	≤1 ppm	
Ni	≤10 ppm	≤10 ppm	
Pb	≤1 ppm	≤1 ppm	
Sb	≤1 ppm	≤1 ppm	
Zn	≤50ppm	≤50ppm	
Visual and colorimetric evaluation	confirms	confirms	
Microbiological purity			
Microorganisms	100CFU/g	100CFU/g	
Ph.Eur.USP XXII)	No Pathogens	No Pathogens	

Analytical Lab.

Date: 19th Dec 2023