# TECHNICAL DATA SHEET & PRODUCT SPECIFICATIONS

*Issued: June 20th ,2023*

| Product denomination: | **Pearlescent Pigment** | **CLAREIUM 3310** |
|---|---|---|
| **Physical Properties** | | **Test Method** |
| Physical Form: | Dry powder | N/A |
| Appearance: | Platinum Gold | N/A |
| Particle size Range: | 30-100 µm | Laser Diffraction |
| Density | 3.1 - 3.6 g/cm$^3$ | DIN-ISO-787-10 |
| pH 10% Aqueous Slurry | 7-11 | DIN-ISO-787-9 |
| Oil Absorption | 65-85 g/100 g | GB/T5211.15-88 |
| Chemical Resistance | Stable in Dilute Acid & Alkali | N/A |

| **Composition -** International Nomenclature of Cosmetics Ingredients **(INCI)** : | | | | **Nominal** | **Unit** | **Test Method** |
|---|---|---|---|---|---|---|
| Synthetic Fluorphlogopite | CI : 77019 | CAS: 12003-38-2 | EINECS : 234-426-5 | 45-66 | % | ESCA |
| Titanium dioxide | CI : 77891 | CAS: 13463-67-7 | EINECS : 236-675-5 | 32-47 | % | ESCA |
| Tin dioxide | CI : 77861 | CAS: 18282-10-5 | EINECS : 242-159-0 | 0-1 | % | ESCA |
| Diiron trioxide | CI: 77491 | CAS: 1309-37-1 | EINECS : 215-168-2 | 2-7 | % | ESCA |
| Loss on Drying | | | | <0.5 | % | ISO787/2 |

| **Heavy Metals** | | | |
|---|---|---|---|
| Lead (Pb) | Max 10 | mg/kg | ICP-MS |
| Arsenic (As) | Max 2 | mg/kg | ICP-MS |
| Zinc (Zn) | Max 50 | mg/kg | ICP-MS |
| Mercury (Hg) | Max 1 | mg/kg | ICP-MS |
| Cadmium (Cd) | Max 3 | mg/kg | ICP-MS |
| Barium (Ba) | Max 50 | mg/kg | ICP-MS |
| Copper (Cu) | Max 20 | mg/kg | ICP-MS |
| Chromium (Cr) | Max 20 | mg/kg | ICP-MS |
| Nickel (Ni) | Max 10 | mg/kg | ICP-MS |
| Antimony (Sb) | Max 1 | mg/kg | ICP-MS |

| **Microbiological Contamination** |
|---|
| 100 cfu/g max |
| Free of Pathogens in 1g |

| **Visual And Colorimetric Evaluation** | Conforms | Pritty YRH |
|---|---|---|

EC - Safety Data Sheet (MSDS) According to EC Directive 91/155/EEC CLAREIUM-3310

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END OF TECHNICAL DATA SHEET