CERTIFICATE OF ANALYSIS

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name: Cosmetic Grade Glitter

Product code: FCHL200

Production date: Nov. 1, 2020 ~ Dec. 24, 2020

Expiry date: Dec. 23, 2023

Supplier: Zhongshan Zhongtai Pigment Co., Ltd.

**SECTION 2. INFORMATION ON SPECIFICATION**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ProductCode | Color | Thickness（μm） | Solvent-resistance | Heat Resistance | Light Fastness | Shape | Size（mm） | FD&C Colorant | D&C Colorant | Pigment | PH Value | Surface Degradability |
| FCHL200 | Holographic golden | 25/50 | yes | 160~180℃ | 6-7 | Hexagon | 0.2 | ✔ | / | / | 6.0~7.5 | no |

**SECTION 3. INFORMATION ON INGREDIENTS**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Key Ingredient*** | ***CAS NO.*** | ***EC NO.***  | ***Target%*** |
| ***Polyethylene terephthalate*** | ***25038-59-9*** | ***607-507-1***  | ***96.64*** |
| ***Acrylates copolymer*** | ***25035-69-2*** | ***607-492-1*** | ***2.6*** |
| ***Aluminum***  | ***7429-90-5*** | ***231-072-3***  | ***0.01*** |
| ***FD&C Yellow 5（CI.19140）*** | ***1934-21-0*** | ***217-699-5*** | ***0.69*** |
| ***FD&C Red 40 (CI.16035)*** | ***25956-17-6*** | ***247-368-0*** | ***0.06*** |

**SECTION 4. TEST REPORT ON HEAVY METALS**

# The test results are as follows:

**Remarks :** (1). 1 mg/kg = 0.0001% (2). MDL = Method Detection Limit （3). ND = Not Detected ( < MDL )

# German Health Authority BgA (Recommendation from German Health Journal No.28, July 1985)- Heavy Metals

Test Method : SGS in house method(SHTC® CHEM® SOP ®169®T), analysis was performed by ICP®MS.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Item(s) | Unit | MDL | Test Result(s) | Limit |
| Lead (Pb) | mg/kg | 0.2 | ND | 20 |
| Cadmium (Cd) | mg/kg | 0.2 | ND | 5 |
| Arsenic (As) | mg/kg | 0.2 | ND | 5 |
| mercury(Hg) | mg/kg | 0.2 | ND | 1 |
| Antimony (Sb) | mg/kg | 0.2 | ND | 10 |

# German Health Journal No. 7/1992, Session 45 from November 14, 1991®Soluble Nickel

Test Method : Sample was extracted in 0.07mol/L HCI at 37℃,analysis was performed by ICP®OES.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Item(s) | Unit | MDL | Test Result(s) | Limit |
| Soluble Nickel (Ni) | mg/kg | 5 | ND | 10 |

# To determine Lead content in the submitted sample in accordance with the CA Prop. 65.

Test Method : With reference to Inhouse method, analysis was performed by ICP-MS/ICP-OES.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test item(s) | Unit(s) | MDL | Test result(s) | Requirement(s) |
| \*Lead | mg/kg | 0.2 | ND | < 10 |

**\*** With refer to California proposition 65 announced on April 22, 2009 (Case no. H217587 (Consolidate with No. 01- 032306)), lead content will have to contain less than 5mg/kg for lipsticks and lipliners, while 10 mg/kg for eyeshadows and blushes.

# To determine Mercury content in the submitted sample in accordance with the US FDA 21 CFR 700.13.

Test Method : With reference to Inhouse method, analysis was performed by ICP-MS/ICP-OES.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test item(s) | Unit(s) | MDL | Test result(s) | Requirement(s) |
| Mercury | mg/kg | 0.2 | ND | < 1 |

# Chromium

Test Method : With reference to Inhouse method, analysis was performed by ICP-MS/ICP-OES.

|  |  |  |  |
| --- | --- | --- | --- |
| Test Item(s) | Unit | MDL | Test Result(s) |
| Chromium (Cr) | mg/kg | 0.2 | ND |