

# CERTIFICATE OF ACCREDITATION

## FITI TESTING & RESEARCH INSTITUTE

**Accreditation No. :** KRMPs-020

**Corporation Registration No. :** 114122-0000097

**Address of Reference Material Producer :** 1. 79, Magokjungang, 8-ro, 3-gil, Gangseo-gu, Seoul, Republic of Korea  
1-① (Stellite Facilities) 21, Yangcheong 3-gil, Ochang-eup, Cheongwon-gu, Cheongju-si, Chungcheongbuk-do, Republic of Korea

**Date of Initial Accreditation :** February 02, 2023.

**Validity of Accreditation :** February 02, 2023. ~ February 01, 2027.

**Scope of Accreditation :** Attached Annex

**Date of issue :** December 15, 2023.

**This reference material producer is accredited in accordance with the recognized International Standard ISO 17034:2016. This accreditation demonstrates technical competence for a defined scope and the operation of a reference material producer quality management system (refer to Joint ISO-ILAC-IAF Communiqué).**



*CHIN CHONGWOOK*

**Head**

**Korea Laboratory Accreditation Scheme**

# Korea Laboratory Accreditation Scheme

No. KRMPs-020

## 1. Chemical Composition

113. Polymers

03. Other

| Type of RM (CRM/RM) | (C)RM Code                 | Name of Material                                  | Certified Value of Range |            | unit  | Uncertainties (Confidence level about 95 %, $k=2$ ) | Method of Measurement or Approach |
|---------------------|----------------------------|---|--------------------------|------------|-------|---|-----------------------------------|
| RM                  | FITI-113-RM-POLY (LOW)     | Dipserse allergenic dyes - Low conc. (Polyester)  | Disperse Blue 3          | (20 ~ 50)  | mg/kg | 10 %  | KS K 0736:2019                    |
|                     |                            |   | Disperse Orange 3        | (20 ~ 50)  |       |   |                                   |
|                     |                            |   | Disperse Yellow 3        | (20 ~ 50)  |       |   |                                   |
|                     |                            |   | Disperse Red 1           | (20 ~ 50)  |       |   |                                   |
|                     |                            |   | Disperse Red 11          | (20 ~ 50)  |       |   |                                   |
|                     |                            |   | Disperse Red 17          | (20 ~ 50)  |       |   |                                   |
| RM                  | FITI-113-RM-ACETATE (LOW)  | Dipserse allergenic dyes - Low conc. (Acetate)    | Disperse Blue 3          | (20 ~ 50)  | mg/kg | 10 %  | KS K 0736:2019                    |
|                     |                            |   | Disperse Orange 3        | (20 ~ 50)  |       |   |                                   |
|                     |                            |   | Disperse Yellow 3        | (20 ~ 50)  |       |   |                                   |
|                     |                            |   | Disperse Red 1           | (20 ~ 50)  |       |   |                                   |
|                     |                            |   | Disperse Red 11          | (20 ~ 50)  |       |   |                                   |
|                     |                            |   | Disperse Red 17          | (20 ~ 50)  |       |   |                                   |
| RM                  | FITI-113-RM-POLY (HIGH)    | Dipserse allergenic dyes - High conc. (Polyester) | Disperse Blue 3          | (70 ~ 100) | mg/kg | 10 %  | KS K 0736:2019                    |
|                     |                            |   | Disperse Orange 3        | (70 ~ 100) |       |   |                                   |
|                     |                            |   | Disperse Yellow 3        | (70 ~ 100) |       |   |                                   |
|                     |                            |   | Disperse Red 1           | (70 ~ 100) |       |   |                                   |
|                     |                            |   | Disperse Red 11          | (70 ~ 100) |       |   |                                   |
|                     |                            |   | Disperse Red 17          | (70 ~ 100) |       |   |                                   |
| RM                  | FITI-113-RM-ACETATE (HIGH) | Dipserse allergenic dyes - High conc. (Acetate)   | Disperse Blue 3          | (70 ~ 100) | mg/kg | 10 %  | KS K 0736:2019                    |
|                     |                            |   | Disperse Orange 3        | (70 ~ 100) |       |   |                                   |
|                     |                            |   | Disperse Yellow 3        | (70 ~ 100) |       |   |                                   |
|                     |                            |   | Disperse Red 1           | (70 ~ 100) |       |   |                                   |
|                     |                            |   | Disperse Red 11          | (70 ~ 100) |       |   |                                   |
|                     |                            |   | Disperse Red 17          | (70 ~ 100) |       |   |                                   |

114. Other chemical composition

| Type of RM (CRM/RM) | (C)RM Code                         | Name of Material   | Certified Value of Range |             | unit  | Uncertainties (Confidence level about 95 %, $k=2$ ) | Method of Measurement or Approach          |
|---------------------|------------------------------------|--|--------------------------|-------------|-------|---|--|
| RM                  | FITI-RM-114-COTTON/POLYESTER (LOW) | AZO dyes (Aryl amines)-Cotton/Polyester (Low)                            | O-anisidine              | (10 ~ 30)   | mg/kg | 10 %  | KS K 0147:2021                             |
|                     |                                    |  | 4-aminobiphenyl          | (10 ~ 30)   |       |   |  |
|                     |                                    |  | Benzidine                | (10 ~ 30)   |       |   |  |
| RM                  | FITI-RM-114-NYLON(HIGH)            | AZO dyes (Aryl amines)-Nylon(High)                                       | O-anisidine              | (30 ~ 100)  | mg/kg | 10 %  | KS K 0147:2021                             |
| RM                  | FITI-RM-114-AC                     | The aerobic compost for evaluating biodegradability and biodegradability | Volatile solid           | (650 ~ 750) | g/kg  | 10 %  | KS M ISO 14855-1:2012, KS T ISO 20200:2004 |

End.