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**edition** 05.12.2023

**material denomination** **SYNCRYSTAL Blue**  
**material-no.** 035633MJ0  
**material description** Free flowing white powder with a blue reflection colour comprising platelets of synthetic fluorphlogopite coated with titanium dioxide and small amounts of tin oxide

**material specification**

| <b>insp. characteristic</b>          | <b>specification</b> | <b>unit</b> |
|--------------------------------------|----------------------|-------------|
| visual and colorimetric evaluation   | pass                 |             |
| TI00127 D 50                         | 20,0 - 25,0          | µm          |
| TI00154 total aerobic bacteria count | <= 100               | cfu/g       |
| TI00154 total yeast & mould count    | <= 100               | cfu/g       |
| TI00027 titanium dioxide             | 42,0 - 54,0          | %           |
| TI00027 tin oxide                    | <= 1,0               | %           |
| TI00074 Pb                           | <= 0,0001            | %           |
| TI00074 Cd                           | <= 0,0001            | %           |
| TI00075 Sb                           | <= 0,0001            | %           |
| TI00075 As                           | <= 0,0001            | %           |
| TI00075 Hg                           | <= 0,0001            | %           |
| TI00247 pH of 10% aqueous suspension | 5,0 - 10,0           |             |
| TI00147 synthetic fluorphlogopite    | 45,0 - 58,0          | %           |
| TI00076 Ba                           | <= 0,0010            | %           |
| TI00076 Co                           | <= 0,0010            | %           |
| TI00076 Cr                           | <= 0,0010            | %           |
| TI00076 Cu                           | <= 0,0010            | %           |
| TI00076 Ni                           | <= 0,0010            | %           |
| TI00076 Zn                           | <= 0,0010            | %           |
| TI00000 pathogens                    | absent               |             |

total shelf life in month: 120

EC-safety data sheet-no. 035633MJ0

Other remarks:

| INCI name                 | CI No. | CAS No.    | EINECS No. |
|---------------------------|--------|------------|------------|
| synthetic fluorphlogopite |        | 12003-38-2 | 234-426-5  |
| titanium dioxide          | 77891  | 13463-67-7 | 236-675-5  |
| tin oxide                 |        | 18282-10-5 | 242-159-0  |

We confirm that the raw material is in consistence with the relevant European Cosmetics Directives and the US Government regulations as specified in 21 CFR for all intended cosmetic uses of the ingredient.

The Data on this technical information sheet correspond with the current status of our knowledge and experience.

The liability for the application and processing of our products lies with the buyer, and he is also responsible for observing any third party rights.

We reserve the right to alter any product data as a result of technical progress or further developments in the manufacturing process.

## technical data sheet

Draft

Technical services

05.12.2023

Approval

Production

05.12.2023

Release

Quality control

05.12.2023

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