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edition 31.01.2025

material denomination **SynCrystal Platinum**
material-no. 028443
material description Free flowing powder with a metallic silver reflection color comprising platelets of synthetic fluorphlogopite coated with titanium dioxide, iron oxide and small amounts of tin oxide

material specification

insp. characteristic	specification	unit
visual and colorimetric evaluation	pass	
Tl00127 D 50	20,0 - 25,0	µm
Tl00027 titanium dioxide	20,0 - 30,0	%
Tl00027 tin oxide	0,0 - 1,0	%
Tl00074 Pb	0,0000 - 0,0001	%
Tl00074 Cd	0,0000 - 0,0001	%
Tl00075 Sb	0,0000 - 0,0001	%
Tl00075 As	0,0000 - 0,0001	%
Tl00075 Hg	0,0000 - 0,0001	%
Tl00247 pH of 10% aqueous suspension	4,0 - 10,0	
Tl00147 synthetic fluorphlogopite	64,0 - 79,0	%
Tl00076 Ba	0,0000 - 0,0010	%
Tl00076 Co	0,0000 - 0,0010	%
Tl00076 Cr	0,0000 - 0,0010	%
Tl00076 Cu	0,0000 - 0,0010	%
Tl00076 Ni	0,0000 - 0,0010	%
Tl00076 Zn	0,0000 - 0,0010	%
Tl00027 iron oxide	1,0 - 5,0	%
Tl00000 total aerobic bacteria count	<= 100	cfu/g
Tl00000 total yeast & mould count	<= 100	cfu/g
Tl00000 Presence gram negative bacteria	absent	
Tl00000 S. Aureus	absent	
Tl00000 E.Coli (Negative)	absent	
Tl00000 P. Aeruginosa	absent	
Tl00000 C. Albicans	absent	

total shelf life in month: 120

EC-safety data sheet-no. 028443MJ0

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
iron oxides	77499	1317-61-9	215-277-5
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.

technical data sheet

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.

Draft	Approval	Release
Technical services	Production	Quality control
31.01.2025	31.01.2025	31.01.2025

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