

TECHNICAL DATA SHEET

General Description

Commercial name:	EffectiveU-T-white
Producer:	Advanced Dispersed Particles S.L
Chemical formula:	TiO ₂ -SiO ₂ (mixture)
INCI:	Titanium Dioxide (and) Silica
CAS No.:	13463-67-7, 7631-86-9
Colour and Form:	Whitish to white Powder
Type of product:	Pigment for colouring of cosmetics
Other properties:	SPF and UVA PF booster

Technical Data - Typical Values

Average particle size >0.1µm (Dynamic light scattering, SEM Microscopy)

Titanium dioxide 94-99wt. % (X-Ray Fluorescence Analysis)

Silicon dioxide 0-5wt. % (X-Ray Fluorescence Analysis)

Metals	Units	Max.	Method
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As (Arsenic)	mg/Kg	1	ICP-MS
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Cd (Cadmium)	mg/Kg	1	ICP-MS
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Hg (Mercury)	mg/Kg	1	ICP-MS
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Pb (Lead)	mg/Kg	10	ICP-MS
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Sb (Antimonium)	mg/Kg	2	ICP-MS
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Zn (Zinc)	mg/Kg	50	ICP-MS
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Loss on drying (100°C)	%	3	Gravimetry
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Loss on ignition (600°C)	%	10	Gravimetry
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Solubility in water	%	5	Gravimetry
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This product is in compliance with Regulation (CE) 1223/2009 on cosmetic products. Traces' metals obey limits for E171 included in Commission Regulation (EU) No 231/2012 and Spanish Real Decreto No 1465/2009, as well as FDA 21.CFR.73.1575 and FDA 21.CFR.73.2575. Internal specifications are set for loss of water, loss in ignition, and solubility due to the nature of the product (the product is not a pure substance but a mixture, obtained by treating the ingredients with a patented technology).

Completed and approved by:

Blanca Motos Pérez

Technical Manager

12/02/2019
dd/mm/yy

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