

Product Information HOMBITAN AFDC



HOMBITAN AFDC is an uncoated anatase titanium dioxide pigment with high whiteness and blue tone. From a chemical and microbiological point of view, it is exceptionally pure.

HOMBITAN AFDC is recommended for food-stuffs, pharmaceuticals as well as for cosmetic applications to provide opacity and brightness.

Typical Properties

▶ Appearance		white powder
▶ Oil absorption [g/100 g] pigment	approx.	19
▶ Specific surface area [m ² /g]	approx.	10
▶ Crystal size [nm]	approx.	170
Prior to surface treatment		
▶ Titanium dioxide [%]	min	99.0
▶ Moisture when packed [%]	max	0.5
▶ Loss on ignition [%]	max	0.5
▶ Water soluble substances [%]	max	0.25
▶ Acid soluble substances [%]	max	0.5
▶ pH		6-9
▶ Bulk density [g/m ³]	approx.	0.6

Product Information

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Safety Precautions

Please see the Material Safety Data Sheet before handling the material.

Classification

- ▶ Colour Index 77891
- ▶ CAS no. (TiO₂) 13463-67-7
- ▶ EINECS no. (TiO₂) 2366755
- ▶ Components listed in TSCA, EINECS

Regulatory Status of AFDC

- ▶ USA: FDA 21 CFR 73.575; 73.1575; 73.2575
- ▶ EU: colour additive E171, 2006/33/EC
- ▶ European, US and Japanese Pharmacopoeia, FCC (Food Chemical Codex)
- ▶ INCI-name: titanium dioxide

The manufacture of Sachtleben products is within the scope of the ISO 9001 certified Quality Management System. The Pori plant also has an ISO 14001 certified Environmental Management System and OHSAS 18001 Occupational Health and Safety Management System.

Purity

HCl-soluble:

▶ Arsenic (as As) [mg/kg]	max	1
▶ Antimony (as Sb) [mg/kg]	max	2

Total:

▶ Lead (as Pb) [mg/kg]	max	10
▶ Mercury (as Hg) [mg/kg]	max	1

Microbiological Purity:

▶ Total bacteria [cfu/g]	max	100
▶ Yeast/mould [cfu/g]	max	100
▶ Escherichia coli		neg
▶ Pseudomonas		neg
▶ Staphylococcus aureus		neg
▶ Salmonella		neg
▶ Enterobacteria		neg

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Great Solutions with Small Particles



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