

## 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 <sup>2</sup> /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 <sup>3</sup> ] | approx. | 0.6  |

# Product Information

## HOMBITAN AFDC

### Safety Precautions

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

### Classification

- ▶ Colour Index 77891
- ▶ CAS no. (TiO<sub>2</sub>) 13463-67-7
- ▶ EINECS no. (TiO<sub>2</sub>) 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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Sachtleben Group  
A company of **ROCKWOOD** Holdings, Inc.  
P.O. Box 17 04 54 • D-47184 Duisburg/Germany  
E-Mail: info@sachtleben.de • www.sachtleben.com

Sales Office  
Cosmetics, Pharmaceuticals, Food:  
Sachtleben Pigments Oy  
A company of Sachtleben Group  
Titaanitie • FI-28840 Pori/Finland  
Phone +358 10 430 1000  
E-Mail: cpf@sachtleben.com