



## Specification

Concerning Product:	
Article number	13463677TTR
Trade name / designation / denomination	Titandioxid, Anatase-Grad
CAS number	13463-67-7
Other names / synonyms	•E 171; •Hombikat; •Titanium Dioxide, FCC; •Titanium Dioxide, Reagent; •Titanium Dioxide, Technical; •Titanium Dioxide, USP; •Titanium dioxide; •Titanium oxide; •Titanium(IV) oxide; •Titanium(IV) oxide, Puratronic, 99. (metals basis);
EC number	236-675-5
Customs tariff number / CN code / TARIC	28230000
Molecular weight [g / mol]	79,88
Formula	TiO <sub>2</sub> O <sub>2</sub> Ti

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Colour	white	
<b>Physical parameter</b>		
Form	powder	
pH value	6,0 – 8,0	
Specific weight	3,8 – 4,1	g/cm <sup>3</sup>
<b>Identity</b>		
Absorbance of Solution	Oil absorption ≤ 26	g/100g
Assay	≥ 98	%
Identification	Resistivity in water extraction Ω.m ≥ 20	
Identification	Tint reducing (As standard sample) ≥ 100	%
<b>Impurities</b>		

Soluble part	in H <sub>2</sub> O: ≤ 0,5	%
Volatile substances	@ 105°C ≤ 0,5	%
<b>Particle size distribution</b>		
Particles	> 325 Mesh ≤ 0,1	%

**Regulatory information:**

**Registration status:** ISO591-1:2000: **A**  
ASTM D476-84: **II**

**Supplemental information:**

**Usage:** • Architectural interior semigloss and exterior finishes.

- Exterior industrial finishes, except those that require the highest level of exterior durability.
- Paint, masterbatch, oral care, plastics, mainly applied in a broad range of plastics ( PVC, flexible PVC, PE, PS and PU,etc.).
- Powder coatings & paint and cement paste.
- Soap industry and cosmetic grade etc..
- Textile printing, dyestuff leather, polyolefin thin film, paper printing, ink, ABS engineering plastics etc..

Easy incorporation, optimum hiding power and tinting strength, as well as good gloss development, are just a few of the demands a TiO<sub>2</sub> pigment has to meet in the coatings field.

This product is anatase pigments made by advanced sulfuric acid process with good dispersion, good whiteness, high hiding and tinting strength, low oil absorption. It is treated with unique surface dispersion technology by adding inorganic additives which can reduce the surface force between the particles of titanium dioxide, enhance the powder dry-flow ability, greatly improve the dispersion properties.

Chemische Werke Hommel GmbH & Co.KG

*This document was generated electronically and is valid without signature.*

Waltrop, 15. Nov. 2024

LF-Basis: ()

We only confirm that we took over the data from our supplier accordingly. Despite careful working, errors in the takeover are not totally excluded. Some or all parts of the document may be translated due to our best knowledge from the original to give a better understanding. If you have any questions about specific details, please call us directly. Unless otherwise marked, these data do not originate from us and have not been tested by us on the correctness. The above information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. We make no warranties, expressed or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assume no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of our products for its particular application. The foregoing information does not absolve the buyer of its own tests. Observing existing laws and regulations, is the responsibility of the buyer of our product. Nothing included in this information waives any of our General Terms and Conditions of Sale, which control unless it agrees other in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing our products, are available upon request and are provided in compliance with applicable law. The user should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact us.