Chemische Werke Hommel GmbH & Co. KG

Im Wirrigen 25
D-45731 Waltrop
Tel.: +49 2309 60699-0
Fax: +49 2309 60699-30
www.hommel-pharma.com
info@hommel-pharma.com

Specification

Concerning Product:	
Article number	13463677KP
Trade name / designation / denomination	Titandioxid, Pharma
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	TiO2 O2Ti

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance	visual	white to almost white powder	
Colour	PLV b	Farbstich: 0,00 – 1,00	
Colour	PLV L	Helligkeit: 98,0 – 98,9	
Physical parameter			
Density	Din EN ISO 787-10	≤ 3,8	g/cm 3
Loss on drying	FEU	≤ 0.50	%
pH value	pH	7,0 – 8,5	ph
Specific surface area	DIN 66131	≤ 9,0	m²/g
Identity			
Assay	DIN EN ISO 591-1	≥ 99,0	%

Impurities			
Residue on ignition	GLV	≥ 99	%
Residue on ignition			%
Soluble part	WSLA	in H_2O: ≤ 0,50	%
Soluble part	ASM	in HCL ≤ 0,50	%
Impurity	RF – Analyse nach DIN 55912-2	Siliziumdioxid ≤ 2,0	%
Elemental Impurities			
Aluminium (Al)	XRF analyses DIN 55912-2	≤ 2.0	%
Arsenic (As)	ICP-MS	Extraction with 0.5 n HCl ≤ 1.0	ppm
Cadmium (Cd)	ICP-MS	Extraction with 0.5 n HCl ≤ 1.0	ppm
Mercury (Hg)	ICP-MS	Extraction with 0.5 n HCl ≤ 1.0	ppm
Lead (Pb)	ICP-MS	Extraction with 0.5 n HCl ≤ 10.0	ppm
Antimon (Sb)	ICP-MS	Extraction with 0.5 n HCl ≤ 2.0	ppm
Particle size distribution			
Particles	Sedimentation	≤ 0,26	µm

Chemische Werke Hommel GmbH & Co.KG

This document was generated electronically and is valid without signature.

Waltrop, 24. Apr. 2020