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## Product Specification

Product Name:

Titanium(IV) oxide – puriss., meets analytical specification of Ph. Eur., BP, USP, 99–100.5%

Product Number:

14027

CAS Number:

13463-67-7

MDL:

MFCD00011269

Formula:

O<sub>2</sub>Ti

Formula Weight:

79.87 g/mol



TEST	Specification
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Assay	99.0 - 100.5 %
Calc. on the dry substance	
Water Soluble Substance	≤ 0.25 %
Water Soluble Substances	≤ 0.5 %
Hot	
Soluble in Dilute HCl	≤ 0.5 %
0.5 mol/L, HCl	
Loss on Drying	≤ 0.5 %
105 deg C, 2 Hr	
Loss on Ignition	≤ 0.5 %
800 deg C	
Acidity or Alkalinity	Complying
Appearance of Solution	Complying
Residual Solvents	Complying
Barium (Ba)	Complying
Arsenic (As)	≤ 1 ppm
Iron (Fe)	≤ 50 ppm
Antimony (Sb)	≤ 50 ppm
Heavy Metals	≤ 20 ppm
Note	Note

Identity, assay and impurities are complying to the monographs of the above mentioned pharmacopeias/codices.

Specification: PRD.0.ZQ5.10000081028

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.