



# PHARMA DEVILS

## QUALITY CONTROL DEPARTMENT

### ANALYTICAL SPECIFICATION FOR TITANIUM DIOXIDE IP

<b>Manufacturer Name :</b>		<b>Supplier Name :</b>
<b>Manufacturer's Batch No. :</b>		<b>Manufacturer's Batch Size :</b>
<b>Manufacturing Date :</b>		<b>Expiry Date :</b>
<b>Quantity Received :</b>		<b>Test Quantity :</b>
<b>Document No. :</b>	<b>Effective Date :</b>	<b>Change Control No. : N/A</b>
<b>Control No./ A.R. No. :</b>		<b>Retest Date :</b>

**Reference** : IP 1996 Page No 765-766

**Description** : White or almost white, infusible powder; odourless; free from foreign particles.  
Complies/Does Not Comply

**Solubility** : Practically insoluble in water and in dilute mineral acids  
(1 in More Than 10000), slowly soluble in hot sulphuric acid.  
Complies/Does Not Comply

S.No.	Test	Reference	Result	Specification	Remark
1.	Identification A. Colour reaction  B. Colour reaction  C. Colour Reaction	IP		A. The pale yellow colour is discharged on cooling.  B. An orange-red colour is produced.  C. A violet-blue colour is produced.	
2.	Clarity and colour of solution	IP		Solution A is not more opalescent than opalescence standard OS2 and colourless.	
3.	Acidity or alkalinity	IP		Not more than 1.0 ml of either 0.01 M hydrochloric acid or 0.01 M sodium hydroxide is required to change the colour of the solution.	
4.	Water-soluble substances	IP		Not More Than 0.5 %	
5.	Arsenic	IP		Not More Than 5 ppm	



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S.No.	Test	Reference	Result	Specification	Remark
6.	Barium	IP		Any Opalescence is not more intense than that of a mixture of 10 ml of test solution and 1 ml of distilled water.	
7.	Heavy Metals	IP		Not More Than 20 ppm	
8.	Iron	IP		Not More Than 200 ppm	
9.	Assay as TiO <sub>2</sub>	IP		Not less than 98.0 % and not more than 100.5 %	

### Raw Data Reference :

Analyst Name :

Analyst Name :

Analyst Name :

Analyst Hard Book No. :

Page No. :

Analyst Hard Book No. :

Page No. :

Analyst Hard Book No. :

Page No. :

**Results** : Sample Conforms / Does Not Conform to Specification

Analyzed By : \_\_\_\_\_

Date : \_\_\_\_\_

Checked By : \_\_\_\_\_

Date : \_\_\_\_\_

Approved By : \_\_\_\_\_

Date : \_\_\_\_\_