

# TITANIUM DIOXIDE IN IRAN & IRAQ



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ISO 9001 : 2015 & AEO T1 Certified

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URS : UKAS

**Titanium Dioxide** : We (& nobody else) offer it as Snow White fine powder, Free Flowing, with Purity 99.0% & above

**Introduction** : CAS No. : 13463-67-7

HS CODE No.: 32061110 / 28230000

EU No.: E-171

- It is the most Versatile, Yet Unique Product for unique Industries, Multi-functional Fine Chemical, used in Pharma, Food & Cosmetic Industries.
- Titanium Dioxide, known in Food as the Colourant E-171, is used in the Food Processing Industry, for more than five Decades, to make food to look Brighter and more Appealing.
- It occupies the most Vital Role and plays an essential Role, from Colouring to Packaging, at all stages of a Pharmaceutical product's Lifecycle.
- TiO<sub>2</sub> (CI 77891 or PW6) is one of the Cosmetic Industry's best-kept secrets, having been used by Beauty Brands and skincare manufacturers alike for decades.
- Extra Pure Titanium Dioxide is used in Testing Laboratories as a Research Product and as Laboratory Reagents (LR/AR/ACS).



**Specification** : Most Stringent Quality controlled Product.

- Assay (Purity) : 99.0% to 100.5%
- Acid Soluble Substances : NMT 0.50%
- Loss on Drying : NMT 0.50%
- Water Soluble Substances : NMT 0.25%
- Ph (50% Water) : 6.0 to 8.0
- All Heavy Metals : BLQ  
(Below Limit of Quantification)
- Loss on Ignition : NMT 0.50%

**Heavy Metals Contents, Tested by Independent Professional Testing Laboratory, NABL & FSSAI approved (By one Lab.)**

| Sr. No. | Parameters                | Units | Results of Analysis | Limits as per FCC |
|---------|---------------------------|-------|---------------------|-------------------|
| 1       | Lead                      | mg/kg | BLQ                 | Max. 10           |
| 2       | Cadmium                   | mg/kg | BLQ                 | Not Specified     |
| 3       | Copper                    | mg/kg | BLQ                 | Not Specified     |
| 4       | Arsenic                   | mg/kg | BLQ                 | Max. 1            |
| 5       | Tin                       | mg/kg | BLQ                 | Not Specified     |
| 6       | Methyl Mercury as Mercury | mg/kg | BLQ                 | Not Specified     |
| 7       | Mercury                   | mg/kg | BLQ                 | Max. 1            |

BLQ - Below Limit of Quantification

LOQ (Limit of Quantification) for Heavy Metals = 0.5mg/kg

FCC : Food Chemical Codex

## Heavy Metals Contents & Other Critical Parameters, Tested by Independent Professional Testing Laboratory, NABL & FSSAI approved (By the other Lab.)

| Sr. No. | Test Parameters         | Test Results | Specification  |
|---------|-------------------------|--------------|----------------|
| 1       | Loss on Drying          | 0.31%        | NMT 0.5%       |
| 2       | Loss on Ignition        | 0.26%        | NMT 1.0%       |
| 3       | Water Soluble Substance | 0.17%        | NMT 0.5%       |
| 4       | Acid Soluble Substance  | 0.31%        | NMT 0.5%       |
| 5       | Lead                    | Not Detected | NMT 10.0 mg/kg |
| 6       | Cadmium                 | Not Detected | NMT 1.0 mg/kg  |
| 7       | Mercury                 | Not Detected | NMT 1.0 mg/kg  |
| 8       | Arsenic                 | Not Detected | NMT 1.0 mg/kg  |

### Application : In Four Major Industries



**Pharmaceutical Industries**



**Food Processing Industries**



**Cosmetic Industries**



**Laboratory Regents**

**Shelf Life : 5 Years**

**Packing :**

- 1 kg / 5 kgs. Carton / Plastic Jar (For Laboratory Reagents Only) (MOQ 1000 kgs., LCL Cargo)
- 25 kgs. Round Fibre Drum / 25 kgs HDPE Drum With double LDPE Liners. (MOQ 2000 kgs., LCL Cargo)
- 25 kgs. Multi Wall Paper Bag with single LDPE Liner. (MOQ 20 MT, FCL Cargo)