

## **CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Titanium Dioxide, Micronized
<b>INCI Name</b>	Titanium dioxide, aluminum hydroxide, lauric acid
<b>CAS#</b>	13463-67-7, 1333-84-2, 143-07-7
<b>Lot Number</b>	141402
<b>Manufacture Date</b>	06/2022
<b>Re-test Date</b>	06/2024

<b>Characteristics</b>	<b>Specification</b>	<b>Result</b>
<b>Color</b>	White	CONFORMS
<b>Appearance</b>	Fine powder	CONFORMS
<b>Odor</b>	Odorless	CONFORMS
<b>Titanium Dioxide (TiO<sub>2</sub>)</b>	81.0 +/- 3%	82.3%
<b>Alumina (Al<sub>2</sub>O<sub>3</sub>)</b>	8.0 – 11.5%	9.3%
<b>Lauric Acid</b>	1.0 – 3.0%	2.1%
<b>pH</b>	5.8 – 7.8	7.1
<b>Average Particle Size</b>	10-20nm	15nm
<b>Loss on drying</b>	≤3.0%	1.4%
<b>Loss on ignition</b>	≤9.0%	6.3%
<b>Surface area (BET)</b>	70 - 120 m <sup>2</sup> /g	95m <sup>2</sup> /g
<b>Mircobial Purity (USP)</b>	≤100 CFU/g	≤100 CFU/G

### **TiO<sub>2</sub> Assay**

<b>Identity</b>	Conforms	CONFORMS
<b>Loss on ignition</b>	≤13%	5%
<b>Content of TiO<sub>2</sub></b>	99.0 – 100.5%	100%
<b>Water soluble substances</b>	≤0.25%	≤0.25%
<b>Substances soluble in acid</b>	≤0.5%	≤0.5%
<b>Arsenic</b>	≤0.0001%	≤0.0001%
<b>Lead</b>	≤0.0001%	≤0.0001%
<b>Mercury</b>	≤0.001%	≤0.001%
<b>Antimony</b>	≤0.0002%	≤0.0002%
<b>Residual Solvent</b>	Conforms	CONFORMS

### **STABILITY AND STORAGE:**

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

**As it is electronically generated document, hence no signature required.**

**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.