

## PRODUCT SPECIFICATION

Product: **BTD-V-I2**

INCI Name: Titanium Dioxide (And) Isopropyl Titanium Triisostearate

| <u>Test ID</u> | <u>Test Name</u>           | <u>Specification</u> |              |   | <u>Test Method</u>                |
|----------------|----------------------------|----------------------|--------------|---|-----------------------------------|
|                |                            | <u>Min</u>           | <u>/ Max</u> | <u>Text</u>   |                                   |
| 001A           | Appearance                 |                      |              | Fine white powder; No grit  | Visual                            |
| 002A           | Odor                       |                      |              | Waxy note, similar in character and intensity to standard                                     | Organoleptic                      |
| 003K           | Color                      |                      |              | To Match Standard   | Compare pressed pigment           |
| 010A           | Loss on Drying, %          |                      | 0.00         | 1.00  | 1 gram sample, 2 hr @ 105°C       |
| 012B           | Microbiology               |                      |              | Total bacterial count < 100/g (ml); Yeast and mold < 100/g (ml); No gram negative or positive | Current USP Microbial Limit Test  |
| 033A           | Hydrophobicity             |                      |              | Place 1g On 45g water. Shake 10 times. Water remains clear                                    | Shake powder with water in a jar  |
| 037A           | Oil Absorption, g. / 100g. |                      | 15           | 25  | ASTM Method D281-84               |
| 038A           | Apparent Density, gm/cbi   |                      | 5.50         | 8.00  | CTFA Method C8-2, Scott Volumeter |
| 042S           | Residue on Ignition, %     |                      |              |   | 1g, 2 hours @ 800°C               |
|                | * Notes on Storage         |                      |              | Store under dry conditions and keep containers closed.  |                                   |
|                | <b>Heavy Metal(s)</b>      |                      |              |   |                                   |
|                | Base pigments              |                      |              | TiO2 meets 21CFR, E-171 and USP specifications prior to surface treatment                     |                                   |
| 027F           | Arsenic, ppm               |                      | 0            | 1   | AAS                               |
| 029B           | Lead, (as Pb), ppm         |                      | 0            | 10  | Weak Acid Extraction AA Method    |
| 031D           | Mercury, ppm               |                      | 0            | 1   | Weak Acid Extraction AA Method    |
| 032A           | Antimony, ppm              |                      | 0            | 2   | AAS                               |

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If you have any questions about the information contained within this document, please contact Stephanie Fiallos, tel +1 (908) 941-9108.

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