

PRODUCT SPECIFICATIONS

Product: **RBTD-671-11S2**

INCI Name: Titanium Dioxide (And) Triethoxycaprylylsilane

| <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 | White Powder, To Match Standard | | | Visual |
| 002A | Odor | Similar in character and intensity to standard, practically odorless | | | Organoleptic |
| 003A | Color | To Match Standard | | | Drawdown dispersion in castor oil |
| 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 |
| 016B | TiO ₂ % | 94.00 | | 97.00 | XRF |
| 024J | Particle Size Range, µm | 0.18 | | 0.80 | Light Scattering Sizer |
| 027G | Arsenic, ppm | 0 | | 1 | CTFA Method F 1-1, Silver Diethyldithiocarbamate |
| 029B | Lead, (as Pb), ppm | 0 | | 10 | Weak Acid Extraction AA Method |
| 031C | Mercury, ppm | 0 | | 1 | AAS |
| 033A | Hydrophobicity | Place 5g On 50g water. Shake 10 times. Water remains clear. | | | Shake powder with water in a jar |
| 037A | Oil Absorption, g. / 100g. | 15 | | 30 | ASTM Method D281-84 |
| 038A | Apparent Density, gm/cbi | 6.50 | | 12.00 | CTFA Method C8-2, Scott Volumeter |
| | * Notes on Storage | Store under dry conditions and keep containers closed. | | | |
| | * Note 2 | All the ingredients in this product meet the requirement for that ingredient as specified in 21 CFR. | | | |
| | * Note 3 | --- | | | |
| | * Note | TiO ₂ prior to surface treatment passes USP specifications. | | | |

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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