

Material Specification

Material - Information

Material No	RT00013	Status	Approved
Material Desc.	NATRACOL TITANIUM DIOXIDE		
Issue No.	1	Issue Date	08/01/2013
Revision No.	1	Revision Date	02/13/2014
Review Date	02/18/2021		

Description

This product is a high purity, untreated anatase pigment and opacifying agent for use as food or feedstuff ingredient.

Apperance

A solid, white odorless powder

Sr No.	Specification	Method	UOM	Requirements
1	Al2O3	SAMM	%	(Max.) 2.00
2	Acid Soluble Arsenic	SAMM	ppm	(Max.) 1.00
3	Total Cadmium	SAMM	ppm	(Max.) 1.00
4	Total Lead	SAMM	ppm	(Max.) 10.00
5	Loss at 105C	SAMM	%	(Max.) 0.50
6	Loss at 800C (after drying at 105C)	SAMM	%	(Max.) 0.50
7	Total Mercury	SAMM	ppm	(Max.) 1.00
8	Acid Soluble Lead	SAMM	ppm	(Max.) 10.00
9	Acid Soluble Antimony	SAMM	ppm	(Max.) 2.00
10	SiO2	SAMM	%	(Max.) 2.00
11	TiO2 (after drying at 105C)	SAMM	%	99.00-100.00
12	Water Soluble Substance at Hot	SAMM	%	(Max.) 0.50
13	Acid Soluble Substance	SAMM	%	(Max.) 0.50
14	pH	SAMM		6.50-8.00
15	Heavy Metals NTE 20 ppm			Complies
16	Total Zinc		ppm	(Max.) 50.00

Microbiology Analysis

	Method	Specification	Unit
Total plate count		< 500	cfu/g
Yeast		< 100	cfu/g
Mold		< 100	cfu/g
E. Coli		Negative in 1g	cfu/g
Salmonella		Negative in 25g	cfu/g
Coliform		<10	cfu/g

Note : - Conformance verified by periodic microbiological testing.

Ingredients

This is system generated document, signature not required.

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Titanium Dioxide

Packing

25 KG. Customer specific pack sizes available upon request

Labelling

Labelling displays product name, lot number, net weight, gross weight and other information and marks specified by the customer

Storage

Store in cool conditions. Protect from air, light, moisture and heat

Shelf Life

1825 Days from the date of manufacture for unopened packs under specified storage condition.

Handling

None specific

Lot Coding Explanation

- For FDA approved dyes and lakes:
AN##### - 6 Digit alphanumeric lot numbers provided by Food Drug Administration (FDA)
- For all other products manufactured at our facility in St. Louis , MO:
USYYMMXXXX - US means the product is being manufactured and/or distributed by our plant in the United States. YY is the year of manufacturing. MM is the month, in which the batch was generated and XXXX is the 4-digit batch number.
- For all dyes, lakes, and blends manufactured at our facility in Roha,India:
RPYYMMXXXX - RP means the product was manufactured at our plant in India. YY is the year of manufacturing. MM is the month, in which the batch was generated and XXXX is the 4-digit batch number. This number is routinely found at the center of the FDA certificate listed as Batch Number.

Supplier Letter of Guarantee

Roha USA, L.L.C. guarantees that goods (articles) comprising each shipment delivered our customers, as of the date of delivery and when solabeled, shall be;

- Guaranteed and conforming to the requirements of, and shall not be adulterated or misbranded within the meaning of, the Food, Drug, and Cosmetic (FD&C) Act as prescribed in the Code of Federal Regulations, as amended from time to time.
- All said articles shall be comprised of material certified by the Food and Drug Administration (FDA) as required, and shall not be an which may not, under Sections 404 or 505 of the Act, be introduced into interstate commerce.
- These articles do not contain any color additive not from a certified batch.
- All packaging containers are made from materials specified in parts 175 through 178 and part 181 of Title 21 of the U.S. Code of Federal Regulations (CFR).
- This Warranty includes, and is limited to, those products that fall within the definitions contained in the Act.

This is a continuing guarantee and will remain in force and in effect until termination in writing by an officer of Roha USA, L.L.C, given at least ten (10) days notice, or until expiration of this guarantee. This guarantee shall expire, without any action required by either party, on the last day of the fifteenth (15) month of any period in which the parties have not conducted business for a consecutive fifteen (15) months.

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General Statement :

The compliance to the above mentioned specification can be verified using respective methods of analysis. The product being natural, seasonal variation and variety of raw material can cause slight in color from batch to batch, although this variation can normally be managed to not affect the final product quality.

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Disclaimer

Above information is correct at the time of issue but may be subject to alteration. The information on the specification remains the property of ROHA Group (JJT Group companies). Information is to the best of our knowledge and it should not be construed as warranty. Users should conduct their own tests to determine the suitability of this product/data for this purpose. Users must satisfy themselves suitability of product, ingredients in accordance with regulations applicable and suitability of product in end application. Roha Group (JJT Group Companies) shall not be liable for any claims or losses of any nature arising directly or indirectly from use of the information, data or other material on this document.