

ProductData



Cosmetic Products - Manufacturing and Distribution



What are Cosmetic Grade Products:

Cosmetic grade or CG products are materials treated to reduce microbial contamination and certified to particular standards for sale to customers who require components to manufacture cosmetic products for sale to wholesalers and retailers who in turn sell these materials to general public.

The Manufacturing Process:

Producing a Cosmetic Grade (CG) product or European Cosmetic Grade (ECG) requires some production steps. First, the raw materials are selectively screened for masstone and tint strength, along with an extensive check of the potential heavy metal content. Cosmetic Grade (CG) require the testing for lead, arsenic and mercury, while the European Cosmetic Grades (ECG) require a check for lead, arsenic, mercury, barium, cadmium, chromium, copper, nickel, zinc and water soluble salts.

Secondly, after testing has been completed and the raw material is selected, proper packaging is required. It may also be necessary to pre-blend various raw materials to meet the precise shading required for each application.

After a product completes the initial manufacturing process, it is shipped to a treatment facility to control micro organisms. The product is processed to reduce the amount of microscopic organisms such as bacteria that might be present in the material. This process makes the product safer for customer applications. When treatment is completed the product is returned to our warehouse location where it becomes commercially available for sampling, sale and shipment.

Surface and Post-Treatments:

Products are either surface-treated (ST) or in the case of a methicone surface treatment, may be post-treated

(PT) for aqueous based systems, to prevent the release of latent hydrogen and increase the performance in particular applications.

A substrate is the component in a treated product to which a Surface Treatment is applied. Most products that BSI sells or manufactures have the potential to be a substrate. The current list of substrates include only the most popular products shipped by BSI.

How to Identify Cosmetic Grade Products:

Cosmetic grade products are generally labeled with an alphanumeric combination. The letters define the product category and the numbers define the product color or component. Attached is a spreadsheet to help you identify product grades and types.

Examples of Alpha-Numeric Combinations:

- A. CG 080 - Basic cosmetic grade Black Iron Oxide.
- B. ECG50490 - European certified cosmetic Yellow Iron Oxide.
- C. ST1100 - Methicone surface treated 280 mica.
- D. ST25690 - Hydrophilic treated CG 690 Ultramarine Blue.
- E. ST14180 - Lauroyl Lysine treated CG 180 Red Iron Oxide.
- F. ST11490 PT - Methicone treated CG 490.
Yellow Iron Oxide (Post Treated)

Information presented herein is believed to be accurate and reliable but is not intended to meet any specification and does not imply any guarantee or warranty by Brenntag Specialties, Inc. (BSI). For more information and assistance, contact Technical Services at 1-800-732-0562.

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Alpha-Numeric Descriptions

Cosmetic Grade Categories:

Category	Alpha Key
Basic Cosmetic Grade	CG
European Certified Cosmetic Grade	ECG50
Surface Treated Cosmetic Grade	ST
Surface Treated w/ Post Treatment	ST/PT

Substrates For Surface Treatments:

Numeric	Description
06	2280
10	281
12	285
14	288
19	192 Pyrenean Silk
20	Whittaker IMP1887L
22	Whittaker IMP1824L
23	Whittaker IMP1889L
24	WCD 1745
25	Whittaker IMP1886L
26	5210H Supreme H
27	Whittaker IMP1823L
29	WCD 2755
31	WCD 2747
32	WCD 2457
34	3460H Suprafino H
35	Whittaker IMP1820L
37	195 M10 DEC Italian
38	190 Extra 5/0 Italian
39	5215H Olympic H
41	Whittaker 3328
42	Whittaker 2558 (Rutile USP)
44	325 TiO2
46	323 TiO2
47	3478H Imperial 400
48	3465H Supra H
49	184 OO French talc
55	WCD 2749
60	6601
61	66

Numeric Key for Basic CG & ECC Grades:

Numeric	Description	Example
0	Black	CG <u>0</u> 60
1	Red	CG <u>1</u> 50
2	Pink	CG <u>2</u> 25
4	Yellow	CG <u>4</u> 90
5	Green	CG <u>5</u> 25
6	Blue	CG <u>6</u> 10
7	Violet - Ultramarine	CG <u>7</u> 25
8	Violet - Manganese	CG <u>8</u> 75
9	Brown	CG <u>9</u> 25

Surface Treatment (ST) Types:

Numeric	Description
11	Methicone
13	Sodium Pyrrolidonecarboxyl Acid (PCA)
14	Lauroyl Lysine
15	Octyldodecanol
17	Boron Nitride
19	Dimethicone
20	Acrylates Copolymer
25	Hydrophilic
26	Magnesium Myristate

Who's Who in BSI Cosmetics:

- Thomas Grunstra** - Director of Marketing - Personal Care & Pharmaceutical.
- Darren Birkelbach** - Director of Corporate Operations.
- Karl Gordon** - Corporate Manager of Technical Services (Laboratory).
- Frank McGonigle** - Corporate Manager of Technical Services (Regulatory).
- Mona Smolder** - BSI Director of Customer Services.
- Rick Sambataro** - BSI Manager of South Plainfield Warehouse Operations.
- George Ferenchiak** - MPSI Superintendent of South Plainfield Warehouse and BSI Cosmetic Production.
- Kailas Patel** - BSI Color Chemist.

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