



TECHNICAL DATA SHEET

Rev Date: 14-Jun-22

F D & C YELLOW 5 ALUM LK

Product Data

Category / Description:	FDA Certified Lake
Appearance / Odor:	YELLOW POWDER/NO ODOR
Hue:	LEMON YELLOW
Chemical Family:	MONOAZO DYE IN ALUMINA
CAS Number:	12225-21-7
EINECS Number:	235-428-9
Color Index Name:	FOOD YELLOW 4 LAKE
Color Index Number:	19140
INCI Name:	CI 19140 - Yellow 5 Lake

Properties /Specifications

Particle Size:.....	<7 Micron
Pure Dye Content, (%):.....	23-28
Light Fastness:.....	6, good
Heat Stability:.....	<200 C
Antimony (Sb):.....	<10 PPM
Arsenic (As):.....	<2 PPM
Barium (Ba):.....	<50 PPM
Cadmium (Cd):.....	<1 PPM
Chromium (Cr):.....	<20 PPM
Cobalt (Co):.....	<5 PPM
Copper (Cu):.....	<20 PPM
Lead (Pb):.....	<2 PPM
Mercury (Hg):.....	<1 PPM
Nickel (Ni):.....	<10 PPM
Selenium (Se):.....	<3 PPM
Zinc (Zn):.....	<100 PPM

Applications

USE STATEMENT;

Foods, Drugs & Cosmetics - in amounts consistent with current Good Manufacturing Practice. In Drugs & Cosmetics - including those intended for use in the area of the eye. The name of the color additive MUST appear on the label of the final product.

Microbiological Analysis: TOTAL VIABLE BACTERIAL COUNT: \leq 100cfu/g
TOTAL YEAST FUNGI (MOLD) COUNT: \leq 10cfu/g
STAPHYLOCOCCUS AUREUS: ABSENT IN 10g
E-COLI: ABSENT IN 10g
SALMONELLA: ABSENT IN 10g
PSEUDOMONAS: ABSENT IN 10g

Shelf Life

- 8 years (unopened container)

Storage Instructions

- Store the product in original packaging with the original seal intact, in a dry environment, protected from heat and light
- Store material sealed; recommended storage temperature between 60°F and 85°F (15°C and 30°C)

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- Keep the original label intact and legible; keep container in good condition, protect from physical damage
- Keep all opened containers tightly sealed in an area that is secure and clean

Regulatory

TSCA Status:..... IN COMPLIANCE

95/45/EC, 231/2012 & 2008/128/EC: E102

- * U.S. FDA CFR 21 part 73/74 & 82
- * EU Cosmetic Products Regulation (EC) No 1223/2009
- * Japan MHLW Ordinance No. 126 of July 29, 2003 - Coal-Tar Colors
- * ASEAN Cosmetic Directive, Annex IV, part 1 - allowed to use in Cosmetic as per field of Application 1.
- * China Technical Safety Standards for Cosmetics (TSSC 2015)

HS Code: 3205.00.0010

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TKB Trading, LLC

1101 9th Avenue
Oakland, CA 94606

Email: support@tkbtrading.com

tkbtrading.com