

TECHNICAL DATA

PRODUCT NAME: YELLOW OXIDE

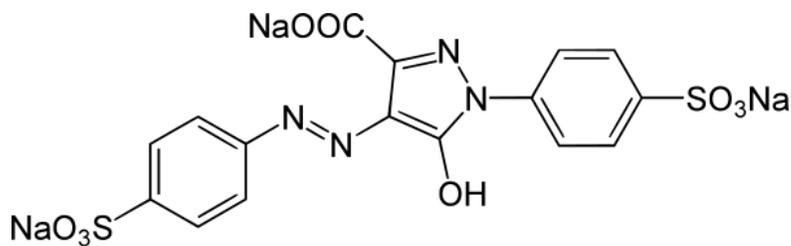
PRODUCT CODE: YO

Common Name: Tartrazine

CAS No.: 1934-21-0

Molecular Weight: 534.4

Structure:



Description: Yellow-orange

Chemical Name: Trisodium salt of 4,5-dihydro-5-oxo-1-(4-sulfophenyl)-4-[4-sulfophenylazo]-1H-pyrazole-3-carboxylic acid

Pure Color Assay: FDA Requirements..... 87% minimum
 HD Specification..... 89% minimum
 Meets FDA requirements as set forth in 21CFR74

Heavy Metals:

Lead	10 ppm maximum
Arsenic	2 ppm maximum
Mercury	1 ppm maximum

Ingredient Declaration:

C.I. Food Yellow 4	89-94%
Water	3-5%
Sodium Chloride	3-6%

Stability to:

Light	Good
Oxidation	Fair
Heat	Good

Variations in pH:

pH 3	Stable
pH 8	Stable

6/19/2015

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Solubility at 25°C:

Distilled Water	17 oz. per gallon
Glycerine	28 oz. per gallon
Propylene Glycol	12 oz. per gallon
Ethanol (95%)	Tint

Microbiological:

APC	< 1000 col./gram
Yeast & Mold	< 100 col./gram combined
Gram Negative	Negative

Shelf Life

Indefinite when stored as recommended (5 years)

Recommended Storage Conditions:

Store at room temperature in a dry location. Keep container and inner liner tightly closed.

Remarks

Yellow Oxide has a greenish yellow color in solution. It has good resistance to acids, alkalies, heat and light. Resistance to oxidizing and reducing agents is fair.