

TECHNICAL DATA

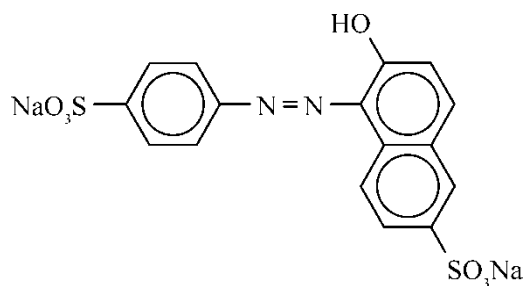
PRODUCT NAME: TANGERINE ORANGE OXIDE

PRODUCT CODE: TO

CAS No.: 2783-94-0

Molecular Weight: 452.4

Structure:



Description: Red-orange powder

Chemical Name: Disodium salt of 1-p sulfophenylazo-2-naphthol-6 sulfonic 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	3 ppm maximum
Mercury	1 ppm maximum

Ingredient Declaration:

C.I. Food Yellow 3	89-95%
Water	2-5%
Sodium Chloride	0-5%

Stability to:

Light	Moderate
Oxidation	Fair
Heat	Good

Variations in pH:

pH 3	Stable
pH 8	Stable

06/09/14
 JHR:bt

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Solubility at 25°C:

Distilled Water	23 oz. per gallon
Glycerine	14 oz. per gallon
Propylene Glycol	2 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

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