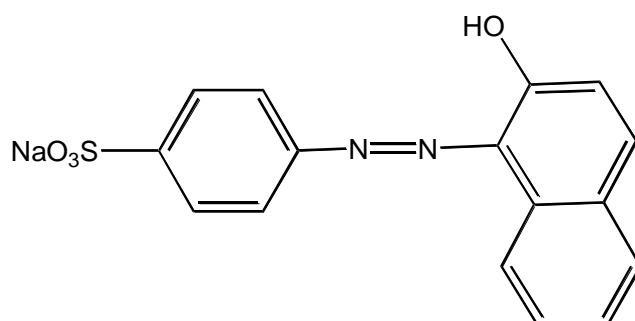


TECHNICAL DATA

PRODUCT NAME: D&C ORANGE 4
PRODUCT CODE: 5P3204

Colour Index Name:	Acid Orange 7	Molecular Weight:	350.32
Colour Index No.:	15510		
CTFA Identification:	D&C Orange No. 4		
CAS No.:	633-96-5		
Structure:			



<u>Pure Color:</u>	87.0% minimum	
<u>Chemical Name:</u>	4-[(2-hydroxy-1-naphthalenyl) azo] benzene sulfonic acid	
<u>Chemical Formula:</u>	C ₁₆ H ₁₁ N ₂ O ₄ S ₁ Na	
<u>Heavy Metals:</u>	Lead	<10 ppm
	Arsenic	<3 ppm
	Mercury	<1 ppm
<u>Volatile (@135°C) plus Chlorides & Sulfates as Sodium Salts:</u>	13.0% maximum	
<u>Water Insolubles:</u>	0.2% maximum	
<u>Uncombined Intermediates:</u>	Meets FDA Requirements	
<u>Microbiological:</u>	APC	<100 col./gram
	Yeast & Mold	<100 col./gram combined
	Gram Negative	Negative

05/17/2017 PAR:rmg (CONTINUED ON NEXT PAGE)



PRODUCT NAME: D&C ORANGE 4
PRODUCT CODE: 5P3204

<u>Subsidiary Colors:</u>	Meets FDA Requirements
<u>Recommended Use:</u>	Soap, shampoo, bubble bath, topically applied cosmetics
<u>Use Restrictions:</u>	Use of this color is limited to externally applied (non-mucous Membrane) drugs and cosmetics.
<u>Shelf Life:</u>	Indefinite when stored as recommended (5 years)
<u>Recommended Storage Conditions:</u>	Store at room temperature in a dry location. Keep container and inner liner tightly closed.

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