

SENSIENT®**Sensient Certificate of Analysis**

Sensient Colors LLC

800-325-8110

Date: 2018-12-20

Time: 22:20:16

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Customer PO#	18401516	PD% 89
Customer Order	18034351	
Item	056021020	FD&C BLUE NO. 2 POWDER 20KG
Customer Item		
Lot/SN	AY9173	
Manufacture Date	2018-09-04	Manufactured 2526 Baldwin Street, St. Louis MO 63106
Lot Expiration Date	2024-09-02	

This color is manufactured to comply with:
US Code of Federal Regulations, Title 21, Parts 73 to 82.
Regulation (EC) No 231/2012 laying down specifications for food additives.
FAO/WHO JECFA specification - Online Edition.
EC Directive 2009/35/EC on Colouring Matters in Medicinal Products.
The final page is a copy of the FDA's analytical report.

This product complies with the purity guidelines as
outlined in GB 28317-2012 for Indigo Carmine.

Lead—<2 ppm
Arsenic—<1 ppm
Mercury—<1 ppm
Cadmium—<1 ppm
Unsulphonated Primary Aromatic Amines (as Aniline) —<100 ppm or 0.01%
Ether Extracts—<0.2%
Heavy Metals—<20 ppm
Insoluble Matter—<0.2%
Iron—<100 ppm

The formula for this product and the ingredients used have not changed
since the last shipment was received and/or the last ingredient statement
was issued.

*William Rouch*

All Dates in YYYY-MM-DD format.

William Rouch Quality Manager



29/11/24

LOT NO: AY9173

FD4C BLUE No. 2

Sensient Colors LLC

Batch No.: 5532294

Weight: 3,395.08 LBS

SEP-18-2018

DETERMINATION	METHOD	FOUND	UNIT	DATE
TARTRATE BUFFER TITRATION	1	88.33	%	SEP-12-2018
SPECTROPHOTOMETRIC	2	90.65	%	SEP-12-2018
VOLATILE MATTER	3	6.85	%	SEP-12-2018
NaCl	4	1.79	%	SEP-13-2018
Na2SO4 BY I. C.	5	1.14	%	SEP-13-2018
WATER INSOLUBLE MATTER	6	0.08	%	SEP-13-2018
ISATIN-5-SULFONIC ACID	64	<0.02	%	SEP-18-2018
ISATIN-7-SULFONIC ACID	176	NR	%	SEP-18-2018
ISOMERIC	65	12.2	%	SEP-18-2018
LOWER SULFONATED SUBSIDIARY	66	0.09	%	SEP-18-2018
TRISULFONATED	175	0.03	%	SEP-18-2018
MERCURY	7	PT	ppm	SEP-13-2018
LEAD	8	<2	ppm	SEP-13-2018
ARSENIC	9	<1	ppm	SEP-13-2018



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Food and Drug Administration Analytical Results

46 20187543 FORM FDA 3000 OMB NO. 0910-0216 (10/31/2001) 8220



29/24

KP SUKMA