

## Certificate of Analysis

### (Representative Sample Certificate)

**Product Name:** Violet No. 2 External D&C  
**INCI Name:** CI 60730 (violet no. 2)  
**CAS Number:** 4430-18-6  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 6 years from production date

Determination	Method	Found	Unit
Tartrate buffer titration	67	92.43	%
Spectrophotometric	154	93.34	%
Volatile Matter	3	1.77	%
NaCl	4	0.95	%
Na <sub>2</sub> SO <sub>4</sub> by I.C.	5	0.83	%
Water insoluble matter	6	0.1	%
1-Hydroxy-9, 10-Anthracenedion	269	0.03	%
P-Toluidine-M-Sulfonic Acid	270	<0.02	%
P-Toludine	271	<0.02	%
1,4 DIOH-9,10-Anthracenedion	272	0.08	%
Alizarin Cyanine	273	0.19	%
Mercury	7	PT	ppm
Lead	8	PT	ppm
Arsenic	9	PT	ppm
Mold (CFU/g), TPC (total plate CT, CFU/g), Yeast (CFU/g)	0-500	0	CFU/g

Food and Drug Administration Analytical Results: 42 20166375 Form FDA OMB No. 0910-0216 (10/31/2001)

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions. This report is not to be signed.

**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.