



CERTIFICATE OF ANALYSIS

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**Product Name** : Ext. D & C Violet 2**Batch No.** : 220802**Mfg.Dt** :AUG. - 2022**Exp. Dt** :JULY. –2027**CAS NO** : 4430-18-6**IUPAC NAME** Sodium 4-[(9,10-dihydro-4-hydroxy-9,10-dioxo-1-anthryl)amino]toluene-3-sulphonate

<b>Sr. No.</b>	<b>Test</b>	<b>Specification</b>	<b>Results</b>
1.	Description	Bluish Violet coloured powder.	Bluish Violet coloured powder.
2.	Total Volatile Matter at 135°C & Chloride & sulfate (calculated as sodium salt)	Maximum 18.0%	1.67%
3.	Water insoluble substance	Maximum 0.4%	0.210%
4.	1-Hydroxy-9,10 anthracenedione	Maximum 0.2 %	0.02%
5.	1,4-Dihydroxy-9,10 anthracenedione	Maximum 0.2%	0.014%
6.	P-Toludine	Maximum 0.1 %	0.004%
7.	P-Toludine sulfonic acids.sodium salts	Maximum 0.2 %	0.03%
8.	Subsidiary colors	Maximum 1 %	0.2%
9.	Lead(As Pb)	Maximum 10 ppm	< 10 ppm
10.	Mercury (As Hg)	Maximum 1 ppm	< 1 ppm
11.	Arsenic (as As)	Maximum 2 ppm	<2ppm
12.	Total color	Minimum80%	93.64%