

Item Number	FD150
Item	FD and C Yellow No. 5
CAS Number	1934-21-0
Molecular Formula	C <sub>16</sub> H <sub>9</sub> N <sub>4</sub> O <sub>9</sub> S <sub>2</sub> Na <sub>3</sub>
Molecular Weight	534.37
MDL Number	
Synonyms	Tartrazine ; Acid Yellow 23

Test	Specification	
	Min	Max
APPEARANCE		
FDA LOT NUMBER		
TOTAL COLOR	87 %	
SUM OF VOLATILE MATTER AT 135 °C (275 °F) AND CHLORIDES AND SULFATES		
(CALCULATED AS SODIUM SALTS)		13 %
WATER-INSOLUBLE MATTER		0.2 %
4,4'-[4,5-DIHYDRO-5-OXO-4-[(4-SULFOPHENYL)HYDRAZONO]-1H-PYRAZOL-1,3-DIYL]		
BIS[BENZENESULFONIC ACID], TRISODIUM SALT		1 %
4-[(4',5-DISULFO[1,1'-BIPHENYL]-2-YL)HYDRAZONO]-4,5-DIHYDRO-5-OXO-1-(4-SULFOPHENYL)-1H-PYRAZOLE-3-CARBOXYLIC ACID, TETRASODIUM		1 %
ETHYL OR METHYL 4,5-DIHYDRO-5-OXO-1-(4-SULFOPHENYL)-4-[(4-SULFOPHENYL)HYDRAZONO]-1H-PYRAZOLE-3-CARBOXYLATE, DISODIUM SALT		1 %
SUM OF 4,5-DIHYDRO-5-OXO-1-PHENYL-4-[(4-SULFOPHENYL)AZO]-1H-PYRAZOLE-3-CARBOXYLIC ACID, DISODIUM SALT, AND 4,5-DIHYDRO-5-OXO-4-(PHENYLAZO)-1-(4-SULFOPHENYL)-1H-PYRAZOLE-3-CARBOXYLIC ACID, DISODIUM SALT		0.5 %
4-AMINOBENZENESULFONIC ACID, SODIUM SALT		0.2 %
4,5-DIHYDRO-5-OXO-1-(4-SULFOPHENYL)-1H-PYRAZOLE-3-CARBOXYLIC ACID, DISODIUM SALT		0.2 %

Test	Specification	
	Min	Max
ETHYL OR METHYL 4,5-DIHYDRO-5-OXO-1-(4-SULFOPHENYL)-1H-PYRAZOLE-3-CARBOXYLATE		
SODIUM SALT		0.1 %
4,4'-(1-TRIAZENE-1,3-DIYL)BIS[BENZENESULFONIC ACID], DISODIUM SALT		0.05 %
4-AMINOAZOBENZENE		75 ppb
4-AMINOBIIPHENYL		5 ppb
ANILINE		100 ppb
AZOBENZENE		40 ppb
BENZIDINE		1 ppb
1,3-DIPHENYLTRIAZENE		40 ppb
LEAD (Pb)		10 ppm
ARSENIC (As)		3 ppm
MERCURY (Hg)		1 ppm
IDENTIFICATION	APPROX. 0.053 @ (428) nm	
EXPIRATION DATE		
DATE OF MANUFACTURE		

***Spectrum Chemical Mfg Corp***

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