

PATENT BLUE V – PRODUCT DATASHEET

Product Name	PATENT BLUE V
Colour Shade	Blue
Synonyms	Food Blue - 5
Chemical Name	Sodium salt of [4- α -(4-diethylamino)-5-hydroxy-2,4-disulphonatobenzylidene] cyclohexa-2,5-dien-1-ylidene diethyl ammonium hydroxide inner salt
C.I. No	42051
C.I. Name	Acid Blue - 3
FDA Status	--
CAS No.	20262-76-4
EINECS No.	222-573-8
E. Number	E-131

Sr. No.	Test	Limit
1	Total colouring matters calculated as the sodium salt, percent by mass	Min. 85.00
2	Water insoluble matter, percent by mass	Max 0.20
3	Combined ether extract, percent by mass	Max 0.20
4	Unsulphonated primary aromatic amines, percent by mass	Max 0.01
5	Subsidiary dyes, percent by mass	Max 2.00
6	Total organic compound other than colouring matters, percent by mass. (a) 3-hydroxy benzaldehyde; (b) 3-hydroxy benzoic acid; (c) 3-hydroxy-4-sulphonic acid, N,N-diethylamino benzene sulfonic acid; (d) N,N-diethylamino benzene sulfonic acid	Max 0.50
7	Leuco base, percent by mass	Max 4.00
8	Heavy metals as Pb, mg/kg	Max 40
9	Arsenic, mg/kg	Max 3
10	Lead, mg/kg	Max 2
11	Mercury, mg/kg	Max 1
12	Cadmium, mg/kg	Max 1