

## CERTIFICATE OF ANALYSIS

<b>Product:</b>	<b>Patent Blue V C.I. 42051</b>
<b>CAS :</b>	<b>3536-49-0</b>
<b>Molecular Formula:</b>	<b>C<sub>27</sub>H<sub>31</sub>N<sub>2</sub>O<sub>7</sub>S<sub>2</sub>Na</b>
<b>Formula Weight:</b>	<b>582.7</b>
<b>Lot No.:</b>	<b>130136</b>
<b>Expiry Date:</b>	<b>08/2026</b>
<b>Storage:</b>	<b>Room temperature, dry, tightly closed lined container.</b>

TESTS	SPECIFICATIONS	RESULT
<b>Description:</b>	Dark blue powder	Dark blue powder
<b>Dye content:</b>	> 85.0%	88.10%
<b>Subsidiary dyes:</b>	< 2.0%	0.51%
<b>Water-insoluble matter:</b>	<0.2%	0.069%
<b>Leuco Base:</b>	<4.0%	1.39%
<b>Combined ether extract:</b>	< 0.2%	0.053%
<b>Arsenic:</b>	< 3 mg/kg	Passes Test
<b>Heavy metals (as Pb):</b>	< 40 mg/kg	Passes Test
<b>Lead (Pb):</b>	< 10 mg/kg	Passes Test

\*This material is chemically synthesized.

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**Quality Inspector**