

### Certificate of Analysis

<b>Product Name</b>	Diphenyl Blue
<b>Catalog No.</b>	V29505
<b>Batch No.</b>	V2950501

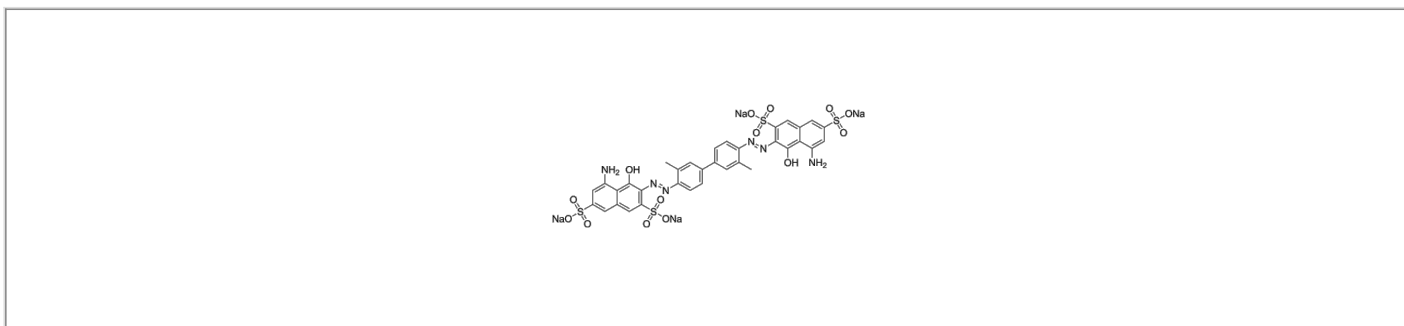
#### 1. Physical and Chemical Properties

<b>Appearance</b>	powder
<b>Molecular Formula</b>	C <sub>34</sub> H <sub>24</sub> N <sub>6</sub> Na <sub>4</sub> O <sub>14</sub> S <sub>4</sub>
<b>Molecular Weight</b>	960.8052
<b>Purity</b>	=72.1%
<b>CAS No.</b>	72-57-1
<b>Production Date</b>	
<b>Retest Date</b>	2029-05-28

#### 2. Analytical Data

Test Item	Specification	Result
<b>Solubility 0.1%(water)</b>	Passes test	Blue solution
<b>Absorption maximum (in Methanol)</b>	602-607nm	603.5nm
<b>Absorptivity 1%/ 1cm,(in Methanol)</b>	≥625	752
<b>Dye content (by spectrophotometry)</b>	≥60%	72.1%
<b>Loss on drying at 110°C (1hr)</b>	≤10%	6.32%

#### 3. Structure



#### 4. Storage Condition

<b>Storage Condition</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month
<b>Note:</b> Please store this product in a sealed and protected environment (e.g. under nitrogen), avoid exposure to moisture and light.			

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