

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : TOLUIDINE BLUE FOR MICROSCOPY**

<b>CAS No</b>	: 92-31-9	<b>Product code</b>	: 19600
<b>Mol. Formula</b>	: C <sub>15</sub> H <sub>16</sub> ClN <sub>3</sub> S	<b>Batch No</b>	: MCR-31110
<b>Mol. WT</b>	: 305.83	<b>Mfd.</b>	: May 2024
<b>Date of analysis</b>	: 27/05/24	<b>Exp.</b>	: April 2029

S.R	Test	Specification	Observation
1	<b>Description</b>	Dark green , Blackish green or dark brown powder.	Blackish Green Powder.
2	<b>Dye content (by spectrophotometry)</b>	80 % min	80.20%
3	<b>Absorption maximum (in water)</b>	620 - 638 nm	631.50nm
4	<b>Solubility (0.1% in water)</b>	Clear solution	Clear solution
5	<b>Absorptivity ( 1%/1cm; at λ<sub>max</sub>; 0.005 g/L in water)</b>	1200 min	1260.44
6	<b>Loss on drying (110<sup>0</sup>C)</b>	8% max	1.23%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST  
(Durvas)**

**[QC Incharge]**



**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.

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