

# Chem-Impex International, Inc.

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Manufacturing site:

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## Certificate of Analysis

<b>Catalogue Number</b>	22887
<b>Lot Number</b>	000331-31554
<b>Product</b>	<b>Bismark Brown Y certified</b>  Basic Brown 1  CI 21000
<b>CAS Number</b>	10114-58-6
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>18</sub> N <sub>8</sub> •2HCl
<b>Molecular Weight</b>	419.32
<b>Appearance</b>	Red-brown powder
<b>Solubility</b>	Soluble in water and methyl Cellosolve, slightly soluble in ethanol and insoluble in acetone, benzene, and carbon tetrachloride
<b>Infrared Spectrum</b>	Conforms to structure
<b>UV Ratios</b>	$\lambda_{\max}$ 468 nm, ratio 1.02 at 453/483 (in Ethanol + 5ml 1N Hydrochloric acid)
<b>Dye content</b>	46%
<b>Storage</b>	Store at RT
<b>Remarks</b>	See material safety data sheet for additional information  For laboratory use only

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The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager