


Specification

**Coomassie® Brilliant blue G-250 (C.I. 42655)**

**A3480**

<b>Solubility:</b>	~10 g/L (H <sub>2</sub> O)
<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A3480
<b>Product Name:</b>	Coomassie® Brilliant blue G-250 (C.I. 42655)
<b>Headline Comment:</b>	® registered trademark of Imperial Industries PLC
<b>Specifications:</b>	E 1 %/1 cm, $\lambda_{\max}$ (pH 7.0): 450 - 570 $\lambda_{\max}$ (buffer pH 7.0): 577 - 584 nm
<b>Hazard pictograms</b>	
<b>WGK:</b>	1
<b>Storage:</b>	RT
<b>Signal Word:</b>	Attention
<b>GHS Symbols:</b>	GHS07
<b>H Phrases:</b>	H315 H319 H335
<b>P Phrases:</b>	P261 P280 P304+P340 P305+P351+P338 P312
<b>Molecular Formula:</b>	C <sub>47</sub> H <sub>48</sub> N <sub>3</sub> NaO <sub>7</sub> S <sub>2</sub>

**AppliChem GmbH**

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • [info.de@itwreagents.com](mailto:info.de@itwreagents.com) • [www.itwreagents.com](http://www.itwreagents.com)  
CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340

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**Coomassie® Brilliant blue G-250 (C.I. 42655)**

**A3480**

<b>M:</b>	854.04 g/mol
<b>CAS:</b>	6104-58-1
<b>EINECS:</b>	228-058-4
<b>CS:</b>	32041200
<b>Comment</b>  The assays of Neuhoﬀ <i>et al.</i> (1) have shown that staining with Coomassie® G-250 is more sensitive than with R-250. For more informations see A1092.	
<b>Bibliography</b>  (1)Neuhoﬀ, V. <i>et al.</i> (1988) <i>Electrophoresis</i> <b>9</b> , 255-262Improved staining of proteins in polyacrylamide gels including isoelectric focusing gels with clear background at nanogram sensitivity using Coomassie® Brilliant Blue G-250 and R-250.	

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Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • [info.de@itwreagents.com](mailto:info.de@itwreagents.com) • [www.itwreagents.com](http://www.itwreagents.com)  
 CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340