

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	29857
<b>Lot Number</b>	002545-20151221
<b>Product</b>	<b>Thiamphenicol</b>
<b>CAS Number</b>	15318-45-3
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>15</sub> C <sub>12</sub> NO <sub>5</sub> S
<b>Molecular Weight</b>	356.22

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<b>Appearance</b>	White to yellowish-white crystalline powder
<b>Melting Point</b>	165.5 °C
<b>Heavy Metals</b>	< 10 ppm
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): < 0.02%
<b>Acidity &amp; Alkalinity</b>	Conforms
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -22.4° (C=1 in DMF)
<b>Loss on Drying</b>	0.20%
<b>Sulfated Ash</b>	0.05%
<b>Assay</b>	99.25%
<b>Grade</b>	BP
<b>Storage</b>	Store at 0-8 °C
<b>Additional Information</b>	Identification: Conforms Light absorption: Conforms
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

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



**Bala Kumar**  
Quality Control Manager