

# *Chem-Impex International, Inc.*

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**Manufacturing site:**

825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	38478
<b>Product</b>	<b>Dihydrostreptomycin sesquisulfate</b>
<b>Lot Number</b>	002197-210930
<b>CAS Number</b>	5490-27-7
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>41</sub> N <sub>7</sub> O <sub>12</sub> • 1.5H <sub>2</sub> SO <sub>4</sub>
<b>Molecular Weight</b>	730.71

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<b>Appearance</b>	White or almost white powder Hygroscopic!
<b>Clarity &amp; Color</b>	Clarity : < II Color : < 5
<b>Solubility</b>	Passes test
<b>Heavy Metals</b>	< 20 ppm
<b>pH</b>	6.5
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -87 °C
<b>Loss on Drying</b>	4.4%
<b>Bacterial Endotoxins</b>	< 0.25 IU/mg
<b>Related Substances</b>	Impurity A : 0.5% Impurity B : 0.5% Impurity C : 1.3% Any other impurity : 0.7% Total impurities : 4.4%
<b>Sulfated Ash</b>	0.5%
<b>Potency (Anhydrous Basis)</b>	774 IU/mg
<b>Purity by HPLC</b>	95.6%
<b>Grade</b>	suitable for cell culture
<b>Storage</b>	Store at 0 - 8 °C
<b>Additional Information</b>	Identification : Passes test Abnormal toxicity : Passes test Sodium meta bisulfite limit : 0.2% Streptomycin sulfate : 0.2% Sterility : Passes test

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**Remarks**

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**