

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	38478
<b>Product</b>	<b>Dihydrostreptomycin sesquisulfate</b>
<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>	To pass test
<b>Heavy Metals</b>	≤ 20 ppm
<b>pH</b>	5 - 7
<b>Optical Rotation</b>	[α] <sub>D20</sub> = -91 to -83 °
<b>Loss on Drying</b>	≤ 5%
<b>Bacterial Endotoxins</b>	≤ 0.50 IU/mg
<b>Related Substances</b>	Impurity A : ≤ 1% Impurity B : ≤ 1% Impurity C : ≤ 2% Any other impurity : ≤ 1% Total impurities : ≤ 5%
<b>Sulfated Ash</b>	≤ 1%
<b>Potency (Anhydrous Basis)</b>	≥ 730 IU/mg
<b>Purity by HPLC</b>	94 - 102%
<b>Grade</b>	suitable for cell culture
<b>Storage</b>	Store at 0 - 8 °C
<b>Additional Information</b>	Identification A, B : To pass test Abnormal toxicity : To pass test Sodium meta bisulfite limit : ≤ 0.4% Streptomycin sulfate : ≤ 2% Sterility : To pass test

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**For Laboratory Use Only**